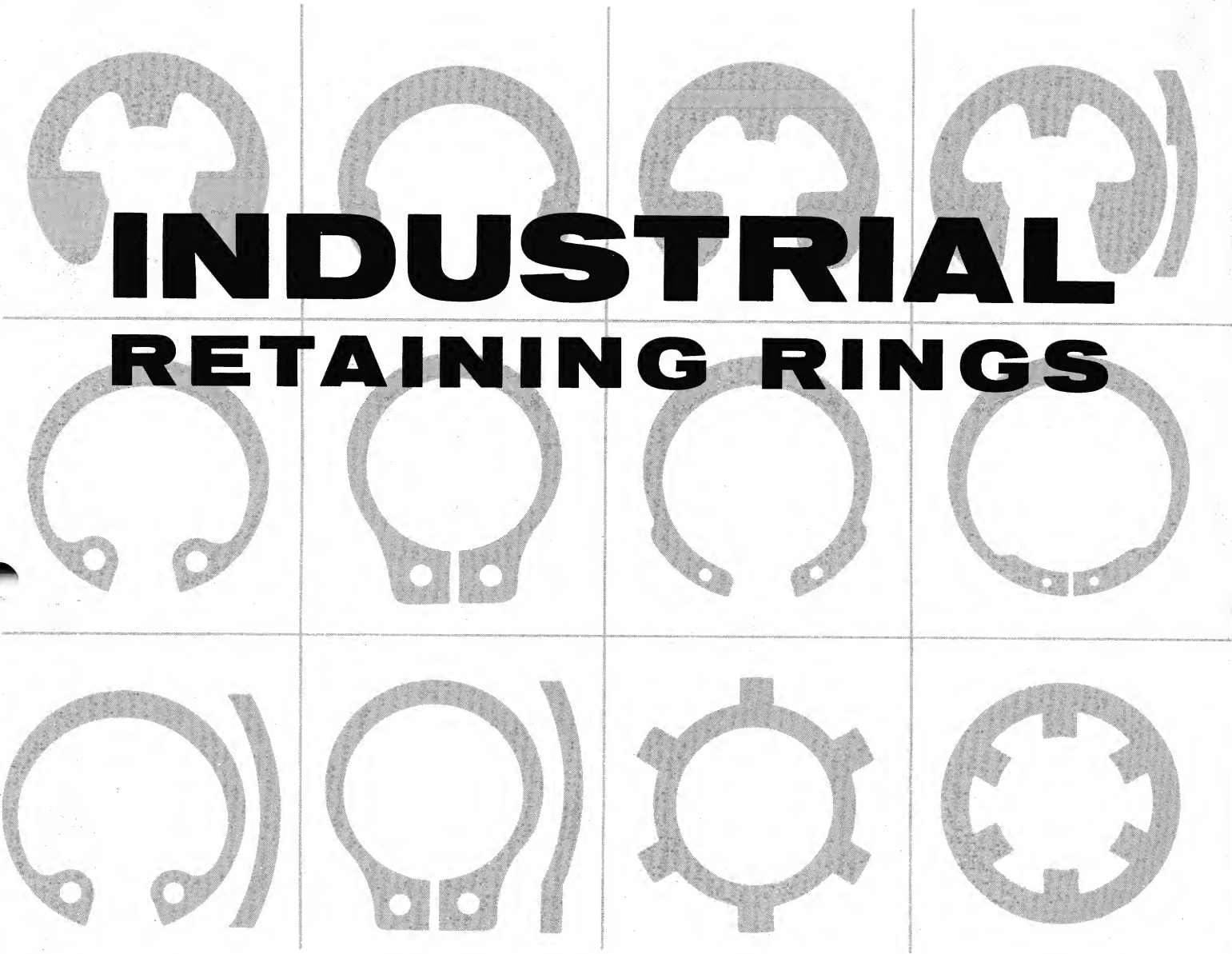


PRICE LIST

EFFECTIVE MAY 16, 1966



INDUSTRIAL RETAINING RINGS



Originators of modern retaining ring dispensing

INDUSTRIAL RETAINING RING COMPANY

57 Cordier Street, Irvington, N. J. 07111

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TERMS & CONDITIONS

Terms: Prices are F.O.B. our plant, Irvington, New Jersey, Net cash 30 days, 1% cash discount for payment made within 10 days.

Conditions of Sale: Prices are subject to change without notice. We are not liable for any delay or failure to deliver because of fires, strikes, accidents or causes beyond our control.

All products are warranted to be free from defects in workmanship and material. When and if claims because of the quality of our products are found by us to be justified, replacements will be made with products in compliance with applicable specifications. We assume no liability beyond such replacement.

MINIMUM ORDER: \$5.00

when you order

INDUSTRIAL RETAINING RINGS...

Please, include complete information—for example:

QUANTITY	RING NO.	MATERIAL	FINISH	SPECIAL INSTRUCTIONS
50,000	1000-25	STEEL	OIL DIP	STACKED*
50,000	3000-X25	BERYLLIUM COPPER	PLAIN	
50,000	3100-25	STEEL	BRIGHT CADMIUM	STACKED

*Industrial Series 1000, 2000, 1200, 3000, 3100, 4000 and 4100 are available stacked.

If preferred, code letters may be used to specify material and finish according to the tables below. Ordering information then should appear as follows:

QUANTITY	RING NO.	MATERIAL	FINISH	SPECIAL INSTRUCTIONS
50,000	1000-25	ST		STACKED
50,000	3000-X25	BC		
50,000	3100-25	ST	CB	STACKED

Standard Finish and Material for Industrial Retaining Rings:

Unless otherwise specified, Industrial Retaining Rings are oil dipped carbon spring steel (SAE-1075) except for a few small rings for which beryllium copper is standard material. These are so identified in the engineering specifications. The standard cadmium and zinc plating thickness is .0003" minimum.

Special Thickness: On request.

CODE TABLE - FINISHES

CLASSIFICATION	FINISH	CODE
CADMIUM PLATING	BRIGHT	CB
	DICHROMATE DIP	CD
ZINC PLATING	BRIGHT	ZB
	DICHROMATE DIP	ZD
PHOSPHATE COATING		PA
STANDARD FINISH	OIL DIP	

CODE TABLE - MATERIAL

MATERIAL	CODE
CARBON SPRING STEEL (SAE 1075)	ST
STAINLESS STEEL (ARMCO PH 15-7 MO)	SS2
BERYLLIUM COPPER (BERYLCO 25)	BC

SPECIAL FINISHES

CLASSIFICATION	FINISH	CODE
CADMIUM PLATING	PLAIN IRIDITE DIP	CI
	OLIVE DRAB DIP	CO
ZINC PLATING	PLAIN IRIDITE DIP	ZI
	OLIVE DRAB DIP	ZO
BLUED STEEL		BS
BLACK OXIDE		BO

Prices for these Special Finishes are available on request.

**EXTERNAL
SERIES
1000**



CODE	MATERIAL	CODE	FINISH
ST	Carbon Spring Steel (SAE 1075)	PA	Phosphate Coating
SS2	Stainless Steel (Armco PH 15-7 MO)	ZB	Zinc Plating, Bright
BC	Beryllium Copper (Berylco 25)	ZD	Zinc Plating, Dichromate Dip
		CB	Cadmium Plating, Bright
		CD	Cadmium Plating, Dichromate Dip
STANDARD FINISH: Oil Dip			

BULK NET PRICES PER 1000 RINGS

Sizes 1000-X6 through 1000-X100 also available stacked. For stacking charges see Page 46.

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
† 1000-4-BC		15.00	10.50	8.70	7.20	6.20	5.00	4.10
1000-X6-ST		14.60	9.30	6.90	5.55	4.35	3.30	2.65
-ST-PA		15.60	10.00	7.45	6.05	4.75	3.65	2.95
-ST-ZB or ZD		15.90	10.30	7.65	6.20	4.85	3.75	3.05
-ST-CB or CD	40	16.20	10.50	7.75	6.30	5.95	3.85	3.15
-SS2 (Stainless)	40	22.00	16.90	12.50	10.00	8.40	7.35	6.65
-BC (Berylco)	40	20.00	14.00	10.90	8.30	7.85	6.00	5.40
1000-6-ST		14.60	9.30	6.90	5.55	4.35	3.30	2.65
-ST-PA		15.60	10.00	7.45	6.05	4.75	3.65	2.95
-ST-ZB or ZD		15.90	10.30	7.65	6.20	4.85	3.75	3.05
-ST-CB or CD	40	16.20	10.50	7.75	6.30	4.95	3.85	3.15
-SS2 (Stainless)	40	22.00	16.90	12.50	10.00	8.40	7.35	6.65
-BC (Berylco)	40	20.00	14.00	10.90	8.30	7.85	6.00	5.40
1000-9-ST		15.80	9.40	7.00	5.60	4.45	3.45	2.80
-ST-PA		16.80	10.10	7.55	6.10	4.85	3.80	3.10
-ST-ZB or ZD		19.10	10.40	7.75	6.25	4.95	3.90	3.20
-ST-CB or CD	40	17.40	10.60	7.85	6.35	5.05	4.00	3.30
-SS2 (Stainless)	40	23.00	17.50	12.90	10.45	8.65	7.60	6.85
-BC (Berylco)	40	20.50	15.40	12.00	9.20	7.60	6.60	6.00
1000-X9-ST		16.00	9.50	7.10	5.65	4.55	3.50	2.85
-ST-PA		17.00	10.20	7.65	6.15	4.95	3.85	3.15
-ST-ZB or ZD		17.30	10.50	7.85	6.30	5.05	3.95	3.25
-ST-CB or CD	40	17.60	10.70	7.95	6.40	5.15	4.05	3.35
-SS2 (Stainless)	40	23.50	17.70	13.10	10.55	8.75	7.70	6.95
-BC (Berylco)	40	20.75	15.80	12.20	9.25	7.70	6.70	6.10
1000-X11-ST		17.00	10.10	7.30	5.90	4.80	3.75	3.05
-ST-PA		18.00	10.80	7.85	6.40	5.20	4.10	3.35
-ST-ZB or ZD		18.30	11.10	8.05	6.55	5.30	4.20	3.45
-ST-CB or CD	40	18.60	11.30	8.15	6.65	5.40	4.30	3.55
-SS2 (Stainless)	40	30.50	23.20	16.20	13.80	11.50	10.15	9.10
-BC (Berylco)	40	31.00	24.70	18.50	14.15	11.80	10.30	9.30
1000-12-ST		16.10	9.70	7.15	5.70	4.60	3.55	2.90
-ST-PA		17.10	10.40	7.70	6.20	5.00	3.90	3.20
-ST-ZB or ZD		17.40	10.70	7.90	6.35	5.10	4.00	3.30
-ST-CB or CD	40	17.70	10.90	8.00	6.45	5.20	4.10	3.40
-SS2 (Stainless)	40	24.50	18.30	13.60	11.10	9.25	8.15	7.30
-BC (Berylco)	40	23.50	17.80	13.10	10.60	8.80	7.70	7.00
1000-X14-ST		16.10	9.70	7.15	5.70	4.60	3.55	2.90
-ST-PA		17.10	10.40	7.70	6.20	5.00	3.90	3.20
-ST-ZB or ZD		17.40	10.70	7.90	6.35	5.10	4.00	3.30
-ST-CB or CD	40	17.70	10.90	8.00	6.45	5.20	4.10	3.40
-SS2 (Stainless)	40	24.50	18.30	13.60	11.10	9.25	8.15	7.30
-BC (Berylco)	40	23.50	17.80	13.10	10.60	8.80	7.70	7.00

PACKAGED IN QUANTITIES OF 100 PIECES

* Less than 100 are available in Packets containing the quantity indicated for each size.
 Steel (-ST) with -CD finish: \$2.00 per Packet. Beryllium Copper (-BC): \$5.00 per Packet.
 Stainless Steel (-SS2): \$5.00 per Packet.
 † Available in Beryllium Copper only.

BULK NET PRICES PER 1000 RINGS

Sizes 1000-X6 through 1000-X100 also available stacked. For stacking charges see Page 46.

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
1000-A14-ST		16.20	9.90	7.25	5.75	4.65	3.70	2.95
-ST-PA		17.20	10.60	7.80	6.25	5.05	4.05	3.25
-ST-ZB or ZD		17.50	10.90	8.00	6.40	5.15	4.15	3.35
-ST-CB or CD	40	17.80	11.10	8.10	6.50	5.25	4.25	3.45
-SS2 (Stainless)	40	25.50	19.60	14.50	11.65	9.70	8.50	7.70
-BC (Berylco)	40	26.00	20.10	15.40	11.70	9.80	8.60	7.80
1000-14-ST		16.70	10.10	7.40	5.75	4.70	3.70	3.00
-ST-PA		17.70	10.80	7.95	6.25	5.10	4.05	3.30
-ST-ZB or ZD		18.00	11.10	8.15	6.40	5.20	4.15	3.40
-ST-CB or CD	40	18.30	11.30	8.25	6.50	5.30	4.25	3.50
-SS2 (Stainless)	40	28.20	21.20	15.70	12.65	10.50	9.25	8.35
-BC (Berylco)	40	28.80	21.70	17.00	12.90	10.80	9.40	8.50
1000-15-ST		16.70	10.10	7.40	5.75	4.70	3.70	3.00
-ST-PA		17.70	10.80	7.95	6.25	5.10	4.05	3.30
-ST-ZB or ZD		18.00	11.10	8.15	6.40	5.20	4.15	3.40
-ST-CB or CD	40	18.30	11.30	8.25	6.50	5.30	4.25	3.50
-SS2 (Stainless)	40	28.20	21.20	15.70	12.65	10.50	9.25	8.35
-BC (Berylco)	40	28.80	21.70	17.00	12.90	10.80	9.40	8.50
1000-X17-ST		16.80	10.20	7.45	5.80	4.75	3.75	3.05
-ST-PA		17.80	10.90	8.00	6.30	5.15	4.10	3.35
-ST-ZB or ZD		18.10	11.20	8.20	6.45	5.25	4.20	3.45
-ST-CB or CD	40	18.40	11.40	8.30	6.55	5.35	4.30	3.55
-SS2 (Stainless)	40	30.00	22.60	16.80	13.50	11.20	9.80	8.90
-BC (Berylco)	40	31.00	23.50	18.20	13.90	11.50	10.10	9.10
1000-18-ST		16.90	10.30	7.50	5.85	4.80	3.80	3.10
-ST-PA		17.90	11.00	8.05	6.35	5.20	4.15	3.40
-ST-ZB or ZD		18.20	11.30	8.25	6.50	5.30	4.25	3.50
-ST-CB or CD	40	18.50	11.50	8.35	6.60	5.40	4.35	3.60
-SS2 (Stainless)	40	30.00	22.80	16.90	13.60	11.30	9.90	9.00
-BC (Berylco)	40	31.00	23.70	18.30	14.00	11.60	10.20	9.20
1000-X18-ST		17.10	10.50	7.60	5.95	4.90	3.90	3.20
-ST-PA		18.10	11.20	8.15	6.45	5.30	4.25	3.50
-ST-ZB or ZD		18.40	11.50	8.35	6.60	5.40	4.35	3.60
-ST-CB or CD	40	18.70	11.70	8.45	6.70	5.50	4.45	3.70
-SS2 (Stainless)	40	32.50	24.70	18.30	14.70	12.20	10.70	9.70
-BC (Berylco)	40	33.50	25.80	20.00	15.45	12.80	11.20	10.10
1000-X21-ST		17.40	10.70	7.75	6.10	5.05	4.05	3.35
-ST-PA		18.40	11.40	8.30	6.60	5.45	4.40	3.65
-ST-ZB or ZD		18.70	11.70	8.50	6.75	5.55	4.50	3.75
-ST-CB or CD	40	19.00	11.90	8.60	6.85	5.65	4.60	3.85
-SS2 (Stainless)	40	37.00	38.20	20.90	16.80	14.00	12.30	11.10
-BC (Berylco)	40	39.00	29.80	23.00	17.75	14.80	12.90	11.70
1000-25-ST		19.10	10.90	7.90	6.30	5.25	4.25	3.55
-ST-PA		20.10	11.60	8.45	6.80	5.65	4.60	3.85
-ST-ZB or ZD		20.40	11.90	8.65	6.95	5.75	4.70	3.95
-ST-CB or CD	40	20.70	12.10	8.75	7.05	5.85	4.80	4.05
-SS2 (Stainless)	40	42.50	32.40	24.00	19.30	16.10	14.10	12.80
-BC (Berylco)	40	45.00	34.80	27.00	20.60	17.30	15.10	13.70
1000-X31-ST		18.10	10.70	7.80	6.20	5.15	4.15	3.45
-ST-PA		19.10	11.40	8.35	6.70	5.55	4.50	3.75
-ST-ZB or ZD		19.40	11.70	8.55	6.85	5.65	4.60	3.85
-ST-CB or CD	40	19.70	11.90	8.65	6.95	5.75	4.70	3.95
-SS2 (Stainless)	40	41.00	31.20	23.10	18.60	15.50	13.60	12.30
-BC (Berylco)	40	42.50	32.80	25.50	19.50	16.30	14.20	12.90

PACKAGED IN QUANTITIES OF 100 PIECES

BULK NET PRICES PER 1000 RINGS

Sizes 1000-X6 through 1000-X100 also available stacked. For stacking charges see Page 46.

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
1000-37-ST		21.50	12.80	9.10	8.00	6.90	5.85	5.25
-ST-PA		23.60	14.40	10.40	9.00	7.70	6.55	5.90
-ST-ZB or ZD		24.10	14.80	10.70	9.30	7.90	6.75	6.05
-ST-CB or CD	30	24.40	15.00	10.80	9.45	8.00	6.85	6.15
-SS2 (Stainless)	30	62.50	48.00	35.60	28.80	23.90	21.10	19.10
-BC (Berylco)	30	85.50	66.00	51.50	39.50	32.90	29.00	26.30
1000-43-ST		22.70	14.00	9.90	8.75	7.55	6.40	5.75
-ST-PA		24.80	15.60	11.20	9.75	8.35	7.10	6.40
-ST-ZB or ZD		25.30	16.00	11.50	10.05	8.55	7.30	6.55
-ST-CB or CD	30	25.60	16.20	11.60	10.20	8.65	7.40	6.65
-SS2 (Stainless)	30	71.00	54.70	40.50	32.80	27.30	24.00	21.80
-BC (Berylco)	30	93.00	72.00	56.20	43.00	35.90	31.60	28.70
1000-X43-ST		22.00	13.30	9.40	8.30	7.15	6.05	5.45
-ST-PA		23.70	14.50	10.40	9.10	7.75	6.60	5.95
-ST-ZB or ZD		24.00	14.80	10.60	9.30	7.85	6.70	6.05
-ST-CB or CD	30	24.30	15.00	10.70	9.45	7.95	6.80	6.15
-SS2 (Stainless)	30	57.50	44.20	32.80	26.50	22.00	19.40	17.60
-BC (Berylco)	30	80.50	62.00	48.40	37.00	30.90	27.20	24.70
1000-50-ST		23.60	13.50	10.10	9.50	8.40	7.75	7.00
-ST-PA		26.90	15.90	12.00	11.00	9.60	8.80	7.95
-ST-ZB or ZD		27.80	16.70	12.60	11.40	10.00	9.15	8.30
-ST-CB or CD	25	28.10	16.90	12.80	11.60	10.10	9.25	8.40
-SS2 (Stainless)	25	97.00	74.50	55.20	44.70	37.20	32.70	29.70
-BC (Berylco)	20	111.00	86.40	67.60	52.00	43.20	38.00	34.50
1000-62-ST		27.00	16.50	12.40	11.60	10.25	9.50	8.60
-ST-PA		31.30	19.60	14.90	13.50	11.75	10.90	9.90
-ST-ZB or ZD		32.50	20.70	15.70	14.10	12.35	11.40	10.30
-ST-CB or CD	25	32.80	20.90	15.90	14.30	12.45	11.50	10.40
-SS2 (Stainless)	25	132.00	103.00	75.60	61.20	51.00	44.80	40.70
-BC (Berylco)	20	172.00	132.00	104.00	79.90	66.40	58.50	53.00
1000-X74-ST		29.40	21.70	16.30	15.20	13.50	12.40	11.20
-ST-PA		34.50	25.40	19.30	17.50	15.40	14.10	12.70
-ST-ZB or ZD		35.90	26.60	20.20	18.20	16.00	14.60	13.20
-ST-CB or CD	15	36.50	27.00	20.50	18.40	16.20	14.70	13.40
-SS2 (Stainless)	15	162.00	126.00	92.80	75.20	62.60	55.00	49.10
-BC (Berylco)	12	190.00	148.00	116.00	88.70	74.00	65.00	59.00
1000-75-ST		31.90	23.70	17.80	16.60	14.70	13.50	12.20
-ST-PA		38.70	28.60	20.70	19.60	17.20	15.70	14.20
-ST-ZB or ZD		40.50	30.20	22.00	20.60	18.00	16.40	14.90
-ST-CB or CD	15	41.10	30.60	22.30	20.80	18.20	16.60	15.10
-SS2 (Stainless)	15	205.00	161.00	119.00	96.20	80.10	70.50	64.00
-BC (Berylco)	12	285.00	221.00	173.00	133.00	111.00	98.00	89.00
1000-87-ST		39.00	31.00	23.00	21.50	19.00	17.50	16.00
-ST-PA		47.40	37.00	27.80	25.10	22.00	20.20	18.40
-ST-ZB or ZD		49.50	39.00	29.40	26.40	23.00	21.10	19.30
-ST-CB or CD	12	50.40	39.60	29.80	26.80	23.30	21.40	19.60
-SS2 (Stainless)	12	265.00	209.00	154.00	125.00	104.00	92.00	83.50
-BC (Berylco)	10	370.00	291.00	225.00	175.00	145.00	129.00	117.00
1000-X98-ST		43.00	34.50	25.50	23.50	21.00	19.50	17.50
-ST-PA		56.00	43.60	32.80	29.00	25.60	23.50	21.20
-ST-ZB or ZD		59.00	46.00	35.20	30.90	27.10	24.90	22.50
-ST-CB or CD	10	60.30	46.80	35.80	31.40	27.50	25.30	22.90
-SS2 (Stainless)	10	370.00	292.00	216.00	175.00	145.00	130.00	117.00
-BC (Berylco)	8	490.00	383.00	298.00	234.00	192.00	169.00	153.00
1000-X100-ST		43.00	34.50	25.50	23.50	21.00	19.50	17.50
-ST-PA		56.00	43.60	32.80	29.00	25.60	23.50	21.20
-ST-ZB or ZD		59.00	46.60	35.20	30.90	27.10	24.90	22.50
-ST-CB or CD	10	60.30	46.80	35.80	31.40	27.50	25.30	22.90
-SS2 (Stainless)	10	370.00	292.00	216.00	175.00	145.00	130.00	117.00
-BC (Berylco)	8	490.00	383.00	298.00	234.00	192.00	169.00	153.00

PACKAGED IN QUANTITIES OF 100 PIECES

CODE	MATERIAL	CODE	FINISH
ST	Carbon Spring Steel (SAE 1075)	PA	Phosphate Coating
SS2	Stainless Steel (Armco PH 15-7 MO)	ZB	Zinc Plating, Bright
BC	Beryllium Copper (Berylco 25)	ZD	Zinc Plating, Dichromate Dip
		CB	Cadmium Plating, Bright
		CD	Cadmium Plating, Dichromate Dip

STANDARD FINISH: Oil Dip



EXTERNAL
SERIES
1001

BULK NET PRICES PER 1000 RINGS

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
1001-X11-ST		20.00	12.50	9.00	7.35	6.00	4.65	3.80
-ST-PA		21.00	13.20	9.55	7.85	6.40	5.00	4.10
-ST-ZB or ZD		21.30	13.50	9.75	8.00	6.50	5.10	4.20
-ST-CB or CD	30	21.60	13.70	9.85	8.10	6.60	5.20	4.30
-SS2 (Stainless)	30	35.30	27.60	20.50	16.50	13.80	12.20	11.10
-BC (Berylco)	30	36.00	28.00	21.00	16.90	14.20	12.40	11.30
1001-12-ST		18.60	12.10	8.90	7.20	5.90	4.55	3.70
-ST-PA		19.60	12.80	9.45	7.70	6.30	4.90	4.00
-ST-ZB or ZD		19.90	13.10	9.65	7.85	6.40	5.00	4.10
-ST-CB or CD	30	20.20	13.30	9.75	7.95	6.50	5.10	4.20
-SS2 (Stainless)	30	28.50	23.00	17.50	13.50	11.20	9.90	9.00
-BC (Berylco)	30	27.40	22.00	16.50	12.60	10.70	9.45	8.60
1001-X14-ST		18.60	12.10	8.90	7.20	5.90	4.55	3.70
-ST-PA		19.60	12.80	9.45	7.70	6.30	4.90	4.00
-ST-ZB or ZD		19.90	13.10	9.65	7.85	6.40	5.00	4.10
-ST-CB or CD	30	20.20	13.30	9.75	7.95	6.50	5.10	4.20
-SS2 (Stainless)	30	28.50	23.00	17.50	13.50	11.20	9.90	9.00
-BC (Berylco)	30	27.40	22.00	16.50	12.60	10.70	9.45	8.60
1001-14-ST		19.30	12.70	9.30	7.35	6.05	4.80	4.00
-ST-PA		20.30	13.40	9.85	7.85	6.45	5.15	4.30
-ST-ZB or ZD		20.60	13.70	10.05	8.00	6.55	5.25	4.40
-ST-CB or CD	30	20.90	13.90	10.15	8.10	6.65	5.35	4.50
-SS2 (Stainless)	30	32.40	25.10	18.70	15.00	12.60	11.20	10.10
-BC (Berylco)	30	33.00	25.90	19.50	15.50	13.00	11.40	10.30
1001-15-ST		19.30	12.70	9.30	7.35	6.05	4.80	4.00
-ST-PA		20.30	13.40	9.85	7.85	6.45	5.15	4.30
-ST-ZB or ZD		20.60	13.70	10.05	8.00	6.55	5.25	4.40
-ST-CB or CD	30	20.90	13.90	10.15	8.10	6.65	5.35	4.50
-SS2 (Stainless)	30	32.40	25.10	18.70	15.00	12.60	11.20	10.10
-BC (Berylco)	30	33.00	25.90	19.50	15.50	13.00	11.40	10.30
1001-X17-ST		19.50	12.80	9.40	7.45	6.15	4.90	4.10
-ST-PA		20.50	13.50	9.95	7.95	6.55	5.25	4.40
-ST-ZB or ZD		20.80	13.80	10.15	8.10	6.65	5.35	4.50
-ST-CB or CD	30	21.10	14.00	10.25	8.20	6.75	5.45	4.60
-SS2 (Stainless)	30	34.50	26.90	20.00	16.20	13.50	11.90	10.80
-BC (Berylco)	30	35.50	27.80	20.90	16.70	13.80	12.20	11.10
1001-18-ST		19.60	12.90	9.45	7.50	6.20	4.95	4.15
-ST-PA		20.60	13.60	10.00	8.00	6.60	5.30	4.45
-ST-ZB or ZD		20.90	13.90	10.20	8.15	6.70	5.40	4.55
-ST-CB or CD	30	21.20	14.10	10.30	8.25	6.80	5.50	4.65
-SS2 (Stainless)	30	34.70	27.10	20.10	16.30	13.60	12.00	10.90
-BC (Berylco)	30	35.70	28.00	21.00	16.80	13.90	12.30	11.20
1001-X18-ST		19.70	13.10	9.50	7.65	6.35	5.10	4.30
-ST-PA		20.70	13.80	10.05	8.15	6.75	5.45	4.60
-ST-ZB or ZD		21.00	14.10	10.25	8.30	6.85	5.55	4.70
-ST-CB or CD	30	21.30	14.30	10.35	8.40	6.95	5.65	4.80
-SS2 (Stainless)	30	37.50	29.30	21.70	17.60	14.60	12.90	11.50
-BC (Berylco)	30	39.00	30.50	23.80	18.30	15.30	13.50	12.20

*Less than 100 are available in Packets containing the quantity indicated for each size.
 Steel (-ST) with -CD finish: \$2.00 per Packet. Beryllium Copper (-BC) : \$5.00 per Packet.
 Stainless Steel (-SS2): \$5.00 per Packet.

BULK NET PRICES PER 1000 RINGS

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
1001-X21-ST		20.00	13.20	9.60	7.75	6.45	5.20	4.40
-ST-PA		21.00	13.90	10.15	8.25	6.85	5.55	4.70
-ST-ZB or ZD		21.30	14.20	10.35	8.40	6.95	5.65	4.80
-ST-CB or CD	30	21.60	14.40	10.45	8.50	7.05	5.75	4.90
-SS2 (Stainless)	30	42.70	33.40	24.70	20.00	16.70	14.70	13.30
-BC (Berylco)	30	45.00	35.00	27.30	21.00	17.50	15.40	14.00
1001-25-ST		21.00	13.50	9.80	7.95	6.65	5.40	4.60
-ST-PA		22.00	14.20	10.35	8.45	7.05	5.75	4.90
-ST-ZB or ZD		22.30	14.50	10.55	8.60	7.15	5.85	5.00
-ST-CB or CD	30	22.60	14.70	10.65	8.70	7.25	5.90	5.10
-SS2 (Stainless)	30	49.00	38.20	28.30	22.90	19.00	16.70	15.20
-BC (Berylco)	30	52.00	40.50	31.80	24.50	20.50	17.50	16.30
1001-X31-ST		20.80	13.30	9.70	7.85	6.55	5.30	4.50
-ST-PA		21.80	14.00	10.25	8.35	6.95	5.65	4.80
-ST-ZB or ZD		22.10	14.30	10.45	8.50	7.05	5.75	4.90
-ST-CB or CD	30	22.40	14.50	10.55	8.60	7.15	5.85	5.00
-SS2 (Stainless)	30	47.00	36.80	27.30	22.10	18.40	16.10	14.50
-BC (Berylco)	30	49.00	38.50	30.00	23.00	19.30	16.80	15.20
1001-37-ST		24.50	16.00	11.40	10.00	8.70	7.40	6.70
-ST-PA		26.60	17.60	12.70	11.00	9.50	8.10	7.35
-ST-ZB or ZD		27.10	18.00	13.00	11.30	9.70	8.30	7.50
-ST-CB or CD	25	27.40	18.20	13.10	11.45	9.80	8.40	7.60
-SS2 (Stainless)	25	72.00	56.40	30.00	33.50	28.00	24.50	22.50
-BC (Berylco)	25	98.50	77.00	60.00	46.00	38.50	33.50	30.50
1001-43-ST		26.00	17.40	12.30	10.90	9.40	8.00	7.20
-ST-PA		28.10	19.00	13.60	11.90	10.20	8.70	7.85
-ST-ZB or ZD		28.60	19.40	13.90	12.20	10.40	8.90	8.00
-ST-CB or CD	25	28.90	19.60	14.00	12.35	10.50	9.00	8.10
-SS2 (Stainless)	25	82.00	64.00	47.50	38.50	32.00	28.00	25.50
-BC (Berylco)	25	107.00	84.00	65.40	50.50	42.00	36.50	33.50
1001-X43-ST		25.00	16.50	11.70	10.40	9.00	7.60	6.90
-ST-PA		26.70	17.70	12.80	11.20	9.60	8.15	7.40
-ST-ZB or ZD		27.00	18.00	13.00	11.40	9.70	8.25	7.50
-ST-CB or CD	25	27.30	18.20	13.10	11.55	9.80	8.35	7.60
-SS2 (Stainless)	25	66.50	52.00	38.50	31.00	26.00	23.00	20.50
-BC (Berylco)	25	92.50	72.50	56.50	43.50	36.00	32.00	29.00
1001-50-ST		27.00	18.00	12.70	11.40	10.00	8.60	7.90
-ST-PA		30.30	20.40	14.60	12.90	11.20	9.65	8.85
-ST-ZB or ZD		31.20	21.20	15.20	13.30	11.60	10.00	9.20
-ST-CB or CD	20	31.50	21.40	15.40	13.50	11.70	10.10	9.30
-SS2 (Stainless)	20	112.00	87.00	64.50	52.00	43.50	38.00	34.50
-BC (Berylco)	16	129.00	101.00	78.50	60.50	50.50	44.50	40.50
1001-62-ST		31.00	20.50	15.30	13.90	12.50	11.10	10.40
-ST-PA		35.30	23.60	17.80	15.80	14.00	12.50	11.70
-ST-ZB or ZD		36.50	24.70	18.60	16.40	14.60	13.00	12.10
-ST-CB or CD	20	36.80	24.90	18.80	16.60	14.70	13.10	12.20
-SS2 (Stainless)	20	152.00	118.00	88.00	71.00	59.00	52.00	47.50
-BC (Berylco)	16	198.00	154.00	121.00	92.50	77.00	68.00	61.50
1001-X74-ST		34.00	26.50	20.00	18.50	16.50	15.20	13.80
-ST-PA		39.10	30.20	23.00	20.80	18.40	16.90	15.30
-ST-ZB or ZD		40.50	31.40	23.90	21.50	19.00	17.40	15.80
-ST-CB or CD	10	41.10	31.80	24.20	21.70	19.20	17.50	16.00
-SS2 (Stainless)	10	186.00	146.00	108.00	88.00	73.00	64.00	58.00
-BC (Berylco)	8	220.00	173.00	135.00	103.00	86.00	76.00	69.00
1001-75-ST		37.00	29.00	21.50	20.00	18.00	16.50	15.00
-ST-PA		43.80	33.90	24.40	23.00	20.50	18.70	17.00
-ST-ZB or ZD		45.60	35.50	25.70	24.00	21.30	19.40	17.70
-ST-CB or CD	10	46.20	35.90	26.00	24.20	21.50	19.60	17.90
-SS2 (Stainless)	10	238.00	186.00	138.00	112.00	93.00	82.00	74.50
-BC (Berylco)	8	329.00	256.00	200.00	154.00	129.00	113.00	103.00

*Less than 100 are available in Packets containing the quantity indicated for each size.

Steel (-ST) with -CD finish: \$2.00 per Packet. Beryllium Copper (-BC) : \$5.00 per Packet.

Stainless Steel (-SS2): \$5.00 per Packet.

CODE	MATERIAL	CODE	FINISH
ST	Carbon Spring Steel (SAE 1075)	PA	Phosphate Coating
SS2	Stainless Steel (Armco PH 15-7 MO)	ZB	Zinc Plating, Bright
BC	Beryllium Copper (Berylco 25)	ZD	Zinc Plating, Dichromate Dip
		CB	Cadmium Plating, Bright
		CD	Cadmium Plating, Dichromate Dip
STANDARD FINISH: Oil Dip			



**EXTERNAL
SERIES
1001**

BULK NET PRICES PER 1000 RINGS

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
1001-87 -ST		45.00	36.00	26.50	24.50	22.00	20.00	18.50
-ST-PA		53.40	42.00	31.30	28.10	25.00	22.70	20.90
-ST-ZB or ZD		55.50	44.00	32.90	29.40	26.00	23.60	21.80
-ST-CB or CD	8	56.40	44.60	33.30	29.80	26.30	23.90	22.10
-SS2 (Stainless)	8	307.00	240.00	177.00	144.00	120.00	105.00	95.00
-BC (Berylco)	6	430.00	337.00	262.00	202.00	168.00	148.00	135.00
1001-X98-ST		57.00	42.00	34.00	29.00	25.00	22.00	21.00
-ST-PA		70.00	51.10	41.30	34.50	29.60	26.00	24.70
-ST-ZB or ZD		73.00	54.10	43.70	36.40	31.10	27.40	26.00
-ST-CB or CD	7	74.30	54.90	44.30	36.90	31.50	27.80	26.40
-SS2 (Stainless)	7	470.00	365.00	270.00	220.00	182.00	161.00	146.00
-BC (Berylco)	5	615.00	480.00	375.00	289.00	241.00	211.00	192.00
1001-X100-ST		57.00	42.00	34.00	29.00	25.00	22.00	21.00
-ST-PA		70.00	51.10	41.30	34.50	29.60	26.00	24.70
-ST-ZB or ZD		73.00	54.10	43.70	36.40	31.10	27.40	26.00
-ST-CB or CD	7	74.30	54.90	44.30	36.90	31.50	27.80	26.40
-SS2 (Stainless)	7	470.00	365.00	270.00	220.00	182.00	161.00	146.00
-BC (Berylco)	5	615.00	480.00	375.00	289.00	241.00	211.00	192.00

PACKAGED IN QUANTITIES OF 100 PIECES

EXTERNAL
SERIES
1200



CODE	MATERIAL	CODE	FINISH
ST	Carbon Spring Steel (SAE 1075)	PA	Phosphate Coating
SS2	Stainless Steel (Armco PH 15-7 MO)	ZB	Zinc Plating, Bright
BC	Beryllium Copper (Berylco 25)	ZD	Zinc Plating, Dichromate Dip
		CB	Cadmium Plating, Bright
		CD	Cadmium Plating, Dichromate Dip
STANDARD FINISH: Oil Dip			

BULK NET PRICES PER 1000 RINGS

Sizes 1200-9 through 1200-56 also available stacked. For stacking charges see Page 46.

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
1200-9-ST		16.50	10.20	7.60	6.10	4.95	3.40	3.00
-ST-PA		17.00	10.90	8.15	6.60	5.35	3.75	3.30
-ST-ZB or ZD		17.80	11.20	8.40	6.75	5.45	3.85	3.40
-ST-CB or CD	40	18.10	11.40	8.50	6.85	5.55	3.95	3.50
-SS2 (Stainless)	40	26.00	19.40	14.50	11.65	9.70	8.50	7.60
-BC (Berylco)	40	22.00	16.60	13.30	9.85	8.20	7.20	6.50
1200-12-ST		16.90	10.50	7.80	6.30	5.10	3.50	3.10
-ST-PA		17.90	11.20	8.35	6.80	5.50	3.85	3.40
-ST-ZB or ZD		18.20	11.50	8.60	6.95	5.60	3.95	3.50
-ST-CB or CD	40	18.50	11.70	8.70	7.05	5.70	4.05	3.60
-SS2 (Stainless)	40	27.00	20.40	15.10	12.15	10.10	8.90	8.05
-BC (Berylco)	40	27.50	21.00	15.50	12.55	10.40	9.15	8.25
1200-15-ST		17.20	10.70	8.00	6.45	5.25	3.65	3.25
-ST-PA		18.20	11.40	8.55	6.95	5.65	4.00	3.55
-ST-ZB or ZD		18.50	11.70	8.80	7.10	5.75	4.10	3.65
-ST-CB or CD	40	18.80	11.90	8.90	7.20	5.85	4.20	3.75
-SS2 (Stainless)	40	31.00	23.30	17.20	13.95	11.60	10.15	9.20
-BC (Berylco)	40	35.00	26.80	21.20	15.85	13.10	11.55	10.45
1200-18-ST		17.60	10.90	8.30	6.65	5.40	3.80	3.40
-ST-PA		18.60	11.60	8.85	7.15	5.80	4.15	3.70
-ST-ZB or ZD		18.90	11.90	9.10	7.30	5.90	4.25	3.80
-ST-CB or CD	40	19.20	12.10	9.20	7.40	6.00	4.35	3.90
-SS2 (Stainless)	40	33.00	25.20	18.60	15.05	12.50	11.00	9.90
-BC (Berylco)	40	36.50	27.70	22.20	16.45	13.80	12.05	10.95
1200-21-ST		18.10	11.80	8.50	6.85	5.50	4.00	3.60
-ST-PA		19.10	12.50	9.05	7.35	5.90	4.35	3.90
-ST-ZB or ZD		19.40	12.80	9.30	7.50	6.00	4.45	4.00
-ST-CB or CD	40	19.70	13.00	9.40	7.60	6.10	4.55	4.10
-SS2 (Stainless)	40	41.00	31.20	23.10	18.65	15.50	13.65	12.30
-BC (Berylco)	40	44.50	34.00	27.20	20.40	16.90	14.80	13.40
1200-25-ST		18.60	13.20	8.90	7.30	5.90	4.65	4.20
-ST-PA		19.60	13.90	9.50	7.80	6.30	5.00	4.50
-ST-ZB or ZD		19.90	14.20	9.70	7.95	6.40	5.10	4.60
-ST-CB or CD	40	20.20	14.40	9.80	8.05	6.50	5.20	4.70
-SS2 (Stainless)	40	47.00	35.90	26.60	21.45	17.90	15.75	14.20
-BC (Berylco)	40	50.50	38.80	31.00	23.15	19.30	16.90	15.30
1200-31-ST		19.50	13.70	9.40	7.80	6.40	4.80	4.30
-ST-PA		21.30	15.20	10.60	8.70	7.15	5.35	4.90
-ST-ZB or ZD		21.80	15.40	10.80	8.90	7.35	5.60	5.00
-ST-CB or CD	30	22.10	15.60	10.90	9.00	7.45	5.70	5.10
-SS2 (Stainless)	30	51.00	38.90	28.80	23.25	19.40	17.00	15.40
-BC (Berylco)	30	72.00	55.50	44.40	33.20	27.60	24.30	22.00
1200-37-ST		21.80	14.50	10.00	8.60	7.85	6.30	5.70
-ST-PA		23.90	16.10	11.30	9.60	8.65	7.00	6.35
-ST-ZB or ZD		24.40	16.50	11.60	9.90	8.85	7.20	6.50
-ST-CB or CD	30	24.70	16.70	11.70	10.00	8.95	7.30	6.70
-SS2 (Stainless)	30	69.00	52.70	39.10	31.90	26.30	23.10	21.00
-BC (Berylco)	30	91.00	70.00	56.30	42.20	35.00	30.90	28.00

*Less than 100 are available in Packets containing the quantity indicated for each size.

Steel (-ST) with -CD finish: \$2.00 per Packet. Beryllium Copper (-BC) : \$5.00 per Packet.

Stainless Steel (-SS2): \$5.00 per Packet.

BULK NET PRICES PER 1000 RINGS

Sizes 1200-9 through 1200-56 also available stacked. For stacking charges see Page 46.

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
1200-43-ST		22.90	15.70	11.10	9.80	8.75	7.15	6.45
-ST-PA		25.00	17.30	12.40	10.80	9.55	7.95	7.10
-ST-ZB or ZD		25.50	17.70	12.70	11.10	9.75	8.15	7.25
-ST-CB or CD	30	25.80	17.90	12.80	11.20	9.85	8.25	7.35
-SS2 (Stainless)	30	78.00	60.50	44.80	36.30	30.20	26.60	24.10
-BC (Berylco)	30	100.00	77.00	61.90	46.40	38.50	33.90	30.80
1200-56-ST		27.60	17.30	13.00	12.10	10.70	9.90	8.90
-ST-PA		31.90	20.50	15.60	14.00	12.30	11.40	10.20
-ST-ZB or ZD		33.10	21.50	16.30	14.70	12.80	11.80	10.60
-ST-CB or CD	15	33.40	21.70	16.50	14.80	12.90	11.90	10.70
-SS2 (Stainless)	15	160.00	122.00	91.00	74.00	61.50	54.00	49.00
-BC (Berylco)	15	185.00	145.00	115.00	87.00	72.00	65.00	58.00

**EXTERNAL
SERIES
2000**



CODE	MATERIAL	CODE	FINISH
ST	Carbon Spring Steel (SAE 1075)	PA	Phosphate Coating
SS2	Stainless Steel (Armco PH 15-7 MO)	ZB	Zinc Plating, Bright
BC	Beryllium Copper (Berylco 25)	ZD	Zinc Plating, Dichromate Dip
		CB	Cadmium Plating, Bright
		CD	Cadmium Plating, Dichromate Dip

STANDARD FINISH: Oil Dip

BULK NET PRICES PER 1000 RINGS

Sizes 2000-12 through 2000-100 also available stacked. For stacking charges see Page 46.

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
2000-12-ST		14.90	9.60	7.10	5.80	4.60	3.50	2.80
-ST-PA		15.80	10.30	7.65	6.30	5.00	3.85	3.10
-ST-ZB or ZD		16.20	10.60	7.90	6.45	5.10	3.95	3.20
-ST-CB or CD	40	16.30	10.80	8.00	6.55	5.20	4.05	3.30
-SS2 (Stainless)	40	22.50	17.50	12.70	10.20	8.50	7.40	6.70
-BC (Berylco)	40	18.00	13.50	10.50	8.00	6.65	5.85	5.25
2000-15-ST		15.30	9.90	7.30	6.00	4.70	3.60	2.90
-ST-PA		16.20	10.60	7.85	6.50	5.10	3.95	3.20
-ST-ZB or ZD		16.60	10.90	8.10	6.65	5.20	4.05	3.30
-ST-CB or CD	40	16.70	11.10	8.20	6.75	5.30	4.15	3.40
-SS2 (Stainless)	40	24.00	18.50	13.60	10.90	9.10	8.00	7.20
-BC (Berylco)	40	19.00	14.50	11.30	8.60	7.15	6.25	5.65
2000-18-ST		15.80	10.20	7.40	6.10	4.80	3.70	3.00
-ST-PA		16.70	10.90	7.95	6.60	5.20	4.05	3.30
-ST-ZB or ZD		17.10	11.20	8.20	6.75	5.30	4.15	3.40
-ST-CB or CD	40	17.20	11.40	8.30	6.85	5.40	4.25	3.50
-SS2 (Stainless)	40	25.50	19.50	14.40	11.50	9.60	8.40	7.60
-BC (Berylco)	40	20.00	15.30	12.00	9.15	7.55	6.65	6.00
2000-21-ST		16.30	10.50	7.70	6.40	5.10	4.00	3.30
-ST-PA		17.20	11.20	8.25	6.90	5.50	4.35	3.60
-ST-ZB or ZD		17.60	11.50	8.50	7.05	5.60	4.45	3.70
-ST-CB or CD	40	17.70	11.70	8.60	7.15	5.70	4.55	3.80
-SS2 (Stainless)	40	29.00	22.00	16.30	13.10	10.90	9.60	8.70
-BC (Berylco)	40	28.50	21.70	16.10	12.90	10.60	9.40	8.50
2000-23-ST		16.50	10.60	7.80	6.50	5.20	4.10	3.35
-ST-PA		17.40	11.30	8.35	7.00	5.60	4.45	3.65
-ST-ZB or ZD		17.80	11.60	8.60	7.15	5.70	4.55	3.75
-ST-CB or CD	40	17.90	11.80	8.70	7.25	5.80	4.65	3.85
-SS2 (Stainless)	40	29.50	22.50	16.60	13.30	11.10	9.70	8.80
-BC (Berylco)	40	29.00	22.10	17.20	13.15	10.90	9.60	8.70
2000-25-ST		16.70	10.80	8.00	6.60	5.30	4.15	3.40
-ST-PA		17.60	11.50	8.55	7.10	5.70	4.50	3.70
-ST-ZB or ZD		18.00	11.80	8.80	7.25	5.80	4.60	3.80
-ST-CB or CD	40	18.10	12.00	8.90	7.35	5.90	4.70	3.90
-SS2 (Stainless)	40	30.00	23.00	17.00	13.60	11.40	9.90	9.00
-BC (Berylco)	40	29.50	22.60	17.60	13.40	11.20	9.80	8.90
2000-28-ST		17.00	11.10	8.30	6.80	5.50	4.30	3.50
-ST-PA		17.90	11.80	8.85	7.30	5.90	4.65	3.80
-ST-ZB or ZD		18.30	12.10	9.10	7.45	6.00	4.75	3.90
-ST-CB or CD	40	18.40	12.30	9.20	7.55	6.10	4.85	4.00
-SS2 (Stainless)	40	33.00	25.50	18.60	15.00	12.50	10.90	9.90
-BC (Berylco)	40	34.00	26.20	20.50	15.60	13.00	11.40	10.30
2000-31-ST		17.30	11.30	8.50	6.90	5.60	4.35	3.55
-ST-PA		18.20	12.00	9.05	7.40	6.00	4.70	3.85
-ST-ZB or ZD		18.60	12.30	9.30	7.55	6.10	4.80	3.95
-ST-CB or CD	40	18.70	12.50	9.40	7.65	6.20	4.90	4.05
-SS2 (Stainless)	40	35.50	27.50	20.10	16.20	13.50	11.80	10.70
-BC (Berylco)	40	37.00	28.50	22.20	17.00	14.10	12.40	11.20

*Less than 100 are available in Packets containing the quantity indicated for each size.

Steel (-ST) with -CD finish: \$2.00 per Packet. Beryllium Copper (-BC) : \$5.00 per Packet.

Stainless Steel (-SS2): \$5.00 per Packet.

BULK NET PRICES PER 1000 RINGS

Sizes 2000-12 through 2000-100 also available stacked. For stacking charges Page 46.

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
2000-37-ST		18.00	11.80	8.80	7.20	5.90	4.60	3.70
-ST-PA		18.90	12.50	9.35	7.70	6.30	4.95	4.00
-ST-ZB or ZD		19.30	12.80	9.60	7.85	6.40	5.05	4.10
-ST-CB or CD	40	19.40	13.00	9.70	7.95	6.50	5.15	4.20
-SS2 (Stainless)	40	39.00	30.00	22.10	17.80	14.90	13.00	11.80
-BC (Berylco)	40	41.00	31.70	24.80	18.90	15.80	13.80	13.50
2000-40-ST		18.30	12.30	9.00	7.40	6.10	4.70	3.80
-ST-PA		19.20	13.00	9.55	7.90	6.50	5.05	4.10
-ST-ZB or ZD		19.60	13.30	9.80	8.05	6.60	5.15	4.20
-ST-CB or CD	40	19.70	13.50	9.90	8.15	6.70	5.25	4.30
-SS2 (Stainless)	40	43.00	33.00	24.40	19.60	16.40	14.30	13.00
-BC (Berylco)	40	45.50	35.00	27.30	20.90	17.40	15.20	13.80
2000-43-ST		18.60	12.60	9.20	7.60	6.30	4.90	4.00
-ST-PA		19.50	13.30	9.75	8.10	6.70	5.25	4.30
-ST-ZB or ZD		19.90	13.60	10.00	8.25	6.80	5.35	4.40
-ST-CB or CD	40	20.00	13.80	10.10	8.35	6.90	5.45	4.50
-SS2 (Stainless)	40	45.50	35.00	25.80	20.80	17.40	15.20	13.80
-BC (Berylco)	40	47.50	36.50	28.50	21.80	18.10	15.90	14.40
2000-50-ST		22.40	14.90	10.60	9.30	8.00	6.70	6.10
-ST-PA		23.90	16.10	11.60	10.10	8.60	7.25	6.60
-ST-ZB or ZD		24.40	16.40	11.80	10.30	8.75	7.35	6.70
-ST-CB or CD	30	24.50	16.60	11.90	10.40	8.85	7.45	6.80
-SS2 (Stainless)	30	58.50	45.00	33.20	26.90	22.30	19.60	17.80
-BC (Berylco)	30	79.00	61.10	47.80	36.70	30.40	26.80	24.30
2000-56-ST		23.70	15.60	11.10	9.80	8.40	7.10	6.40
-ST-PA		25.20	16.80	12.10	10.60	9.00	7.65	6.90
-ST-ZB or ZD		25.70	17.10	12.30	10.80	9.15	7.75	7.00
-ST-CB or CD	30	25.80	17.30	12.40	10.90	9.25	7.85	7.10
-SS2 (Stainless)	30	64.00	49.00	36.40	29.40	24.40	21.50	19.50
-BC (Berylco)	30	84.00	64.80	50.70	38.90	32.30	28.40	25.80
2000-62-ST		25.00	17.00	12.50	11.00	9.40	8.00	7.20
-ST-PA		26.50	18.20	13.50	11.80	10.00	8.55	7.70
-ST-ZB or ZD		27.00	18.50	13.70	12.00	10.15	8.65	7.80
-ST-CB or CD	30	27.10	18.70	13.80	12.10	10.25	8.75	7.90
-SS2 (Stainless)	30	69.50	53.50	39.50	32.00	26.50	23.40	21.20
-BC (Berylco)	30	87.00	67.30	52.60	40.40	33.60	29.50	26.80
2000-68-ST		29.30	17.50	13.10	12.35	10.30	9.60	9.00
-ST-PA		31.30	19.10	14.40	13.35	11.10	10.30	9.50
-ST-ZB or ZD		31.90	19.50	14.70	13.65	11.30	10.50	9.60
-ST-CB or CD	20	32.00	19.70	14.80	13.75	11.40	10.60	9.70
-SS2 (Stainless)	20	95.00	73.50	54.30	44.00	36.60	32.10	29.10
-BC (Berylco)	20	117.00	91.80	71.70	55.10	45.80	40.20	36.50
2000-75-ST		30.50	18.40	13.80	12.95	11.00	10.30	9.40
-ST-PA		32.70	20.10	15.20	14.05	11.90	11.10	9.90
-ST-ZB or ZD		33.40	20.60	15.60	14.35	12.10	11.30	10.00
-ST-CB or CD	20	33.50	20.80	15.70	14.45	12.20	11.40	10.10
-SS2 (Stainless)	20	105.00	81.50	60.20	48.80	40.60	35.60	32.30
-BC (Berylco)	20	136.00	106.00	82.50	63.30	52.70	46.30	42.00
2000-81-ST		32.00	20.90	15.50	14.50	12.80	11.80	10.70
-ST-PA		34.50	22.90	17.10	15.70	13.80	12.70	11.35
-ST-ZB or ZD		35.30	23.40	17.50	16.10	14.10	12.90	11.55
-ST-CB or CD	20	35.40	23.60	17.60	16.20	14.20	13.00	11.65
-SS2 (Stainless)	20	115.00	90.00	66.50	54.00	45.00	39.50	36.00
-BC (Berylco)	18	151.00	119.00	92.60	71.30	59.40	52.30	49.50
2000-87-ST		33.50	21.80	16.20	15.10	13.40	12.30	11.20
-ST-PA		36.90	24.40	18.30	16.70	14.80	13.50	11.90
-ST-ZB or ZD		37.60	24.00	18.70	17.10	15.00	13.70	12.10
-ST-CB or CD	20	37.90	25.20	18.90	17.20	15.10	13.80	12.20
-SS2 (Stainless)	20	125.00	97.00	72.00	58.50	48.50	42.80	39.00
-BC (Berylco)	18	165.00	130.00	102.00	78.00	65.00	57.00	52.00

PACKAGED IN QUANTITIES OF 100 PIECES

BULK NET PRICES PER 1000 RINGS

Sizes 2000-12 through 2000-100 also available stacked. For stacking charges Page 46.

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
2000-93-ST		37.00	24.20	18.00	16.70	14.90	13.60	12.40
-ST-PA		40.60	27.00	20.30	18.40	16.40	14.90	13.20
-ST-ZB or ZD		41.40	25.00	20.70	18.40	16.60	15.20	13.40
-ST-CB or CD	20	41.70	27.80	20.90	18.50	16.70	15.30	13.50
-SS2 (Stainless)	20	133.00	104.00	77.00	62.40	52.00	45.50	41.50
-BC (Berylco)	18	178.00	140.00	109.00	83.50	69.50	61.50	55.50
2000-100-ST		40.50	26.00	19.50	18.00	16.00	14.80	13.50
-ST-PA		44.80	29.30	22.20	20.00	17.70	16.40	14.50
-ST-ZB or ZD		45.60	29.90	22.60	20.40	18.00	16.60	14.70
-ST-CB or CD	20	45.90	30.10	22.80	20.50	18.10	16.70	14.80
-SS2 (Stainless)	20	144.00	113.00	83.50	67.50	56.50	49.50	45.00
-BC (Berylco)	18	190.00	149.00	116.00	89.00	74.00	65.00	59.00
2000-112-ST		44.00	28.90	21.50	20.00	17.50	16.00	14.50
-ST-PA		50.60	33.90	25.50	23.00	20.10	18.30	15.70
-ST-ZB or ZD		52.60	35.50	26.70	24.10	20.80	19.00	15.90
-ST-CB or CD	8	53.10	35.40	27.00	24.50	21.00	19.20	16.00
-SS2 (Stainless)	8	206.00	160.00	119.00	96.50	80.50	70.50	64.50
-BC (Berylco)	6	275.00	215.00	168.00	129.00	108.00	94.00	86.00
2000-X118-ST		47.00	31.00	23.00	21.00	19.00	17.00	15.50
-ST-PA		54.90	36.90	27.70	24.50	20.00	19.60	17.80
-ST-ZB or ZD		56.50	38.20	28.90	25.50	20.60	20.20	18.40
-ST-CB or CD	8	57.10	35.90	29.30	25.80	20.90	20.50	18.70
-SS2 (Stainless)	8	225.00	178.00	132.00	108.00	90.00	79.00	71.00
-BC (Berylco)	6	310.00	245.00	190.00	135.00	122.00	107.00	98.00
2000-125-ST		50.00	32.50	24.00	22.50	20.00	18.00	16.50
-ST-PA		58.10	38.60	28.90	26.20	21.10	20.80	18.90
-ST-ZB or ZD		59.90	40.10	30.10	27.20	21.80	21.40	19.50
-ST-CB or CD	8	60.60	40.70	30.50	27.50	22.10	21.70	19.80
-SS2 (Stainless)	8	249.00	195.00	144.00	117.00	97.00	85.50	77.50
-BC (Berylco)	6	340.00	268.00	209.00	161.00	134.00	118.00	107.00
2000-137-ST		59.00	38.50	28.50	26.50	23.50	21.50	19.50
-ST-PA		68.80	46.00	34.50	31.00	27.30	24.90	22.60
-ST-ZB or ZD		70.80	47.60	35.70	32.00	28.10	25.60	23.20
-ST-CB or CD	8	71.60	48.10	36.20	32.40	28.40	25.90	23.50
-SS2 (Stainless)	8	285.00	223.00	165.00	134.00	112.00	98.00	89.00
-BC (Berylco)	6	400.00	313.00	244.00	188.00	156.00	138.00	125.00
2000-150-ST		61.50	40.00	29.50	27.50	24.50	22.50	20.50
-ST-PA		73.60	49.30	36.90	33.10	29.20	26.70	24.30
-ST-ZB or ZD		75.50	50.90	38.10	34.10	30.00	27.40	24.90
-ST-CB or CD	8	76.50	51.70	38.70	34.50	30.40	27.80	25.30
-SS2 (Stainless)	8	320.00	250.00	185.00	150.00	125.00	110.00	100.00
-BC (Berylco)	6	455.00	358.00	279.00	215.00	179.00	157.00	143.00
2000-175-ST		96.50	63.00	46.50	43.00	38.50	35.50	32.50
-ST-PA		116.50	77.90	57.60	51.90	46.00	42.20	38.60
-ST-ZB or ZD		120.50	81.20	61.00	54.20	46.80	43.60	39.90
-ST-CB or CD	4	121.50	82.60	62.10	55.00	47.50	43.90	40.60
-SS2 (Stainless)	4	485.00	380.00	280.00	228.00	190.00	165.00	150.00
-BC (Berylco)	2	720.00	565.00	441.00	339.00	283.00	249.00	226.00
2000-200-ST		121.00	78.00	58.00	54.00	48.00	44.00	40.00
-ST-PA		145.00	96.50	72.70	65.20	57.30	52.30	46.60
-ST-ZB or ZD		150.00	100.20	75.80	67.60	59.30	54.10	49.20
-ST-CB or CD	4	152.00	102.20	77.00	68.50	60.10	54.90	50.00
-SS2 (Stainless)	4	635.00	495.00	365.00	295.00	245.00	215.00	198.00
-BC (Berylco)	2	1020.00	795.00	620.00	475.00	395.00	350.00	315.00

*Less than 100 are available in Packets containing the quantity indicated for each size.

Steel (-ST) with -CD finish: \$2.00 per Packet. Beryllium Copper (-BC) : \$5.00 per Packet.

Stainless Steel (-SS2): \$5.00 per Packet.

CODE	MATERIAL	CODE	FINISH
ST	Carbon Spring Steel (SAE 1075)	PA	Phosphate Coating
SS2	Stainless Steel (Armco PH 15-7 MO)	ZB	Zinc Plating, Bright
BC	Beryllium Copper (Berylco 25)	ZD	Zinc Plating, Dichromate Dip
		CB	Cadmium Plating, Bright
		CD	Cadmium Plating, Dichromate Dip
STANDARD FINISH: Oil Dip			



INTERNAL
SERIES
3000

BULK NET PRICES PER 1000 RINGS

Sizes 3000-X37 through 3000-X200 also available stacked. For stacking charges, see Page 46.

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
PACKAGED IN QUANTITIES OF 100 PIECES								
3000-X25-ST		19.20	12.70	10.30	8.50	7.00	6.15	5.50
-ST-PA		19.90	13.30	10.80	9.00	7.35	6.40	5.75
-ST-ZB or ZD		20.30	13.70	11.10	9.20	7.55	6.60	5.95
-ST-CB or CD	30	20.50	13.80	11.20	9.30	7.65	6.70	6.05
-SS2 (Stainless)	30	100.00	80.00	66.50	56.50	50.50	44.50	40.50
-BC (Berylco)	30	31.00	25.00	20.00	17.00	15.00	13.50	12.00
3000-X31-ST		19.80	13.20	10.70	8.80	7.25	6.35	5.70
-ST-PA		20.50	13.80	11.20	9.30	7.60	6.60	5.95
-ST-ZB or ZD		20.90	14.20	11.50	9.50	7.80	6.80	6.15
-ST-CB or CD	30	21.10	14.30	11.60	9.60	7.90	6.90	6.25
-SS2 (Stainless)	30	104.00	82.00	68.00	58.00	51.50	45.50	41.00
-BC (Berylco)	30	37.00	30.00	24.00	21.00	18.00	16.00	15.00
3000-X37-ST		20.10	13.40	10.90	9.00	7.40	6.45	5.80
-ST-PA		20.80	14.00	11.40	9.50	7.75	6.70	6.05
-ST-ZB or ZD		21.20	14.40	11.70	9.70	7.95	6.90	6.25
-ST-CB or CD	30	21.40	14.50	11.80	9.80	8.05	7.00	6.35
-SS2 (Stainless)	30	107.00	85.00	70.00	60.00	53.00	47.00	42.50
-BC (Berylco)	30	48.00	38.00	31.00	26.00	24.00	21.00	19.00
3000-X43-ST		20.70	13.80	11.20	9.30	7.50	6.70	6.00
-ST-PA		21.40	14.40	11.70	9.80	7.85	6.95	6.25
-ST-ZB or ZD		21.80	14.80	12.00	10.00	8.05	7.15	6.45
-ST-CB or CD	30	22.00	14.90	12.10	10.10	8.15	7.25	6.55
-SS2 (Stainless)	30	110.00	88.00	72.50	61.00	55.00	48.00	44.00
-BC (Berylco)	30	54.00	43.00	36.00	30.00	27.00	24.00	21.00
3000-X45-ST		21.30	14.30	11.60	9.60	7.80	6.90	6.20
-ST-PA		22.00	14.90	12.10	10.10	8.15	7.15	6.45
-ST-ZB or ZD		22.40	15.30	12.40	10.30	8.35	7.35	6.65
-ST-CB or CD	30	22.60	15.40	12.50	10.40	8.45	7.45	6.75
-SS2 (Stainless)	30	111.00	88.50	73.00	62.00	55.40	48.50	44.30
-BC (Berylco)	30	56.00	45.00	37.00	31.00	28.00	25.00	22.00
3000-X50-ST		22.20	15.20	12.30	10.50	8.65	7.60	6.80
-ST-PA		23.30	16.00	13.00	11.10	9.20	8.05	7.15
-ST-ZB or ZD		23.70	16.40	13.30	11.40	9.40	8.25	7.35
-ST-CB or CD	30	23.90	16.60	13.50	11.50	9.50	8.35	7.45
-SS2 (Stainless)	30	117.00	93.00	77.00	65.00	58.00	51.00	46.00
-BC (Berylco)	30	65.00	52.00	43.00	36.00	32.00	28.00	26.00
3000-X51-ST		22.40	15.30	12.40	10.70	8.80	7.70	6.90
-ST-PA		23.50	16.10	13.10	11.30	9.35	8.15	7.25
-ST-ZB or ZD		23.90	16.50	13.40	11.60	9.55	8.35	7.45
-ST-CB or CD	25	24.10	16.70	13.60	11.70	9.65	8.45	7.55
-SS2 (Stainless)	25	118.00	94.00	78.00	66.00	59.00	52.00	47.00
-BC (Berylco)	25	67.00	54.00	44.00	37.00	33.00	29.00	27.00
3000-X56-ST		23.00	15.90	13.00	11.30	9.30	8.15	7.30
-ST-PA		24.20	16.80	13.80	12.00	9.90	8.70	7.75
-ST-ZB or ZD		24.60	17.20	14.10	12.30	10.10	8.90	7.95
-ST-CB or CD	24	24.80	17.40	14.30	12.40	10.20	9.00	8.05
-SS2 (Stainless)	24	123.00	98.00	81.00	69.00	61.00	54.00	49.00
-BC (Berylco)	24	77.00	62.00	51.00	43.00	38.00	34.00	31.00

*Less than 100 are available in Packets containing the quantity indicated for each size.

Steel (-ST) with -CD finish -X25 thru -X300: \$2.00 per Packet.

-X306 thru -X375: \$3.00 per Packet.

-X387 thru -X450: \$4.00 per Packet.

Stainless Steel (-SS2)

-X25 thru -X300: \$5.00 per Packet.

Beryllium Copper (-BC) -X25 thru -X45: \$2.00 per Packet.

-X50 thru -X75: \$4.00 per Packet.

-X77 thru -X150: \$6.00 per Packet.

-X156 thru -X300: \$8.00 per Packet.

BULK NET PRICES PER 1000 RINGS

Sizes 3000-X37 through 3000-X200 also available stacked. For stacking charges, see Page 46.

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
3000-X62-ST		23.80	16.60	13.70	12.20	10.00	9.00	7.90
-ST-PA		25.00	17.50	14.50	12.90	10.60	9.55	8.35
-ST-ZB or ZD		25.40	17.90	14.80	13.20	10.80	9.75	8.55
-ST-CB or CD	24	25.60	18.10	15.00	13.30	10.90	9.85	8.65
-SS2 (Stainless)	24	129.00	103.00	85.00	72.00	64.00	56.50	51.50
-BC (Berylco)	24	90.00	72.00	59.00	50.00	45.00	39.00	36.00
3000-X68-ST		24.60	17.40	14.50	13.00	10.80	9.50	8.50
-ST-PA		26.20	18.70	15.60	13.70	11.40	10.20	9.10
-ST-ZB or ZD		26.50	19.00	15.90	14.00	11.60	10.40	9.30
-ST-CB or CD	24	26.80	19.20	16.10	14.10	11.80	10.50	9.40
-SS2 (Stainless)	24	135.00	108.00	89.00	75.50	67.50	59.50	54.00
-BC (Berylco)	24	103.00	82.00	67.00	57.00	51.00	45.00	41.00
3000-X75-ST		25.30	18.10	15.20	13.40	11.40	10.00	9.00
-ST-PA		27.00	19.40	16.30	14.30	12.20	10.70	9.60
-ST-ZB or ZD		27.30	19.70	16.60	14.60	12.40	10.90	9.80
-ST-CB or CD	24	27.60	20.00	16.80	14.70	12.50	11.00	9.90
-SS2 (Stainless)	24	142.00	114.00	93.50	79.50	71.00	62.50	56.50
-BC (Berylco)	24	117.00	93.00	77.00	65.00	58.00	51.00	46.00
3000-X77-ST		26.50	18.30	15.40	13.50	11.50	10.20	9.20
-ST-PA		29.30	20.50	17.50	15.10	12.90	11.50	10.40
-ST-ZB or ZD		30.20	21.30	17.90	15.60	13.30	11.90	10.70
-ST-CB or CD	20	30.60	21.60	18.20	15.80	13.40	12.00	10.80
-SS2 (Stainless)	20	155.00	124.00	102.00	86.50	77.50	68.00	62.00
-BC (Berylco)	20	160.00	128.00	105.00	89.00	79.00	70.00	63.00
3000-X81-ST		27.50	18.80	15.70	13.70	12.00	10.60	9.60
-ST-PA		30.30	21.00	17.80	15.30	13.40	11.90	10.80
-ST-ZB or ZD		31.20	21.80	18.20	15.80	13.80	12.30	11.10
-ST-CB or CD	16	31.60	22.10	18.50	16.00	13.90	12.40	11.20
-SS2 (Stainless)	16	160.00	129.00	105.00	90.00	80.50	70.50	64.00
-BC (Berylco)	16	169.00	135.00	111.00	94.00	84.00	74.00	67.00
3000-X86-ST		29.30	19.10	16.30	14.50	12.80	11.40	10.30
-ST-PA		32.20	21.40	18.40	16.10	14.30	12.70	11.50
-ST-ZB or ZD		33.10	22.20	18.90	16.70	14.70	13.10	11.80
-ST-CB or CD	16	33.60	22.60	19.20	17.00	14.90	13.30	12.00
-SS2 (Stainless)	16	168.00	134.00	111.00	94.00	84.00	73.50	67.00
-BC (Berylco)	16	181.00	145.00	119.00	101.00	90.00	79.00	72.00
3000-X87-ST		29.30	19.10	16.30	14.50	12.80	11.40	10.30
-ST-PA		32.20	21.40	18.40	16.10	14.30	12.70	11.50
-ST-ZB or ZD		33.10	22.20	18.90	16.70	14.70	13.10	11.80
-ST-CB or CD	16	33.60	22.60	19.20	17.00	14.90	13.30	12.00
-SS2 (Stainless)	16	168.00	134.00	111.00	94.00	84.00	73.50	67.00
-BC (Berylco)	16	181.00	145.00	119.00	101.00	90.00	79.00	72.00
3000-X90-ST		30.50	19.60	16.70	14.90	13.20	11.80	10.70
-ST-PA		33.50	22.00	18.80	16.60	14.70	13.20	12.00
-ST-ZB or ZD		34.50	22.80	19.30	17.20	15.10	13.60	12.30
-ST-CB or CD	14	34.90	23.20	19.60	17.90	15.30	13.80	12.50
-SS2 (Stainless)	14	174.00	139.00	115.00	97.00	86.50	76.50	69.50
-BC (Berylco)	14	190.00	152.00	125.00	106.00	94.00	83.00	75.00
3000-X93-ST		31.30	20.10	17.10	15.30	13.60	12.20	11.10
-ST-PA		34.30	22.50	19.20	17.00	15.10	13.60	12.40
-ST-ZB or ZD		35.30	23.30	19.70	17.60	15.50	14.00	12.70
-ST-CB or CD	14	35.70	23.70	20.00	17.90	15.70	14.20	12.90
-SS2 (Stainless)	14	178.00	142.00	117.00	99.00	89.00	78.00	71.00
-BC (Berylco)	14	195.00	157.00	130.00	110.00	98.00	86.00	78.00
3000-X100-ST		33.30	21.00	17.80	16.00	14.50	12.90	11.80
-ST-PA		36.50	23.50	19.90	17.80	16.10	14.30	13.10
-ST-ZB or ZD		37.30	24.30	20.50	18.40	16.50	14.70	13.40
-ST-CB or CD	12	37.80	24.70	20.80	18.70	16.70	14.90	13.60
-SS2 (Stainless)	12	188.00	150.00	124.00	105.00	93.00	82.00	75.00
-BC (Berylco)	12	213.00	170.00	140.00	119.00	106.00	93.00	85.00

*Less than 100 are available in Packets containing the quantity indicated for each size.

Steel (-ST) with -CD finish -X25 thru -X300: \$2.00 per Packet.

-X306 thru -X375: \$3.00 per Packet.

-X387 thru -X450: \$4.00 per Packet.

-X25 thru -X300: \$5.00 per Packet.

Beryllium Copper (-BC) -X25 thru

-X50 thru

-X77 thru

-X156 thru

-X45: \$2.00 per Packet.

-X75: \$4.00 per Packet.

-X150: \$6.00 per Packet.

-X300: \$8.00 per Packet.

Stainless Steel (-SS2)

CODE	MATERIAL	CODE	FINISH
ST	Carbon Spring Steel (SAE 1075)	PA	Phosphate Coating
SS2	Stainless Steel (Armco PH 15-7 MO)	ZB	Zinc Plating, Bright
BC	Beryllium Copper (Berylco 25)	ZD	Zinc Plating, Dichromate Dip
		CB	Cadmium Plating, Bright
		CD	Cadmium Plating, Dichromate Dip
STANDARD FINISH: Oil Dip			



INTERNAL
SERIES
3000

BULK NET PRICES PER 1000 RINGS

Sizes 3000-X37 through 3000-X200 also available stacked. For stacking charges, see Page 46.

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
3000-X102-ST		33.80	21.30	18.10	16.30	14.80	13.10	12.10
-ST-PA		37.00	23.80	20.20	18.10	16.40	14.50	13.40
-ST-ZB or ZD		37.90	24.60	20.80	18.70	16.80	14.90	13.70
-ST-CB or CD	12	38.30	25.00	21.10	19.00	17.00	15.10	13.90
-SS2 (Stainless)	12	190.00	153.00	126.00	107.00	95.00	83.00	76.00
-BC (Berylco)	12	215.00	174.00	144.00	120.00	109.00	95.00	86.00
3000-X106-ST		38.00	24.20	20.40	18.30	16.90	15.40	14.00
-ST-PA		42.30	29.20	24.50	21.80	20.00	18.10	16.50
-ST-ZB or ZD		43.40	30.60	25.60	22.80	20.80	18.80	17.20
-ST-CB or CD	12	44.10	31.40	26.30	23.30	21.30	19.30	17.70
-SS2 (Stainless)	12	220.00	176.00	145.00	123.00	110.00	97.00	88.00
-BC (Berylco)	12	245.00	196.00	162.00	137.00	122.00	108.00	97.00
3000-X112-ST		38.80	25.20	21.30	19.00	17.50	16.00	14.50
-ST-PA		43.30	30.20	25.40	22.50	20.60	18.70	17.00
-ST-ZB or ZD		44.50	31.60	26.50	23.50	21.40	19.40	17.70
-ST-CB or CD	12	45.10	32.40	27.20	24.00	21.90	19.90	18.20
-SS2 (Stainless)	12	232.00	182.00	149.00	127.00	114.00	102.00	92.00
-BC (Berylco)	12	260.00	205.00	170.00	145.00	129.00	115.00	105.00
3000-X118-ST		40.00	26.00	22.00	19.50	18.00	16.50	15.00
-ST-PA		44.50	31.20	26.30	23.10	21.20	19.40	17.60
-ST-ZB or ZD		45.70	32.60	27.40	24.10	22.00	20.10	18.30
-ST-CB or CD	10	46.30	33.50	28.10	24.70	22.50	20.60	18.80
-SS2 (Stainless)	10	244.00	188.00	153.00	131.00	118.00	107.00	97.00
-BC (Berylco)	10	280.00	218.00	178.00	155.00	135.00	124.00	113.00
3000-X125-ST		43.30	27.00	22.90	20.40	18.70	17.10	15.50
-ST-PA		49.80	32.20	27.20	24.00	21.90	20.00	18.10
-ST-ZB or ZD		51.40	33.60	28.30	25.00	22.70	20.70	18.80
-ST-CB or CD	8	52.50	34.50	29.00	25.60	23.20	21.20	19.30
-SS2 (Stainless)	8	255.00	195.00	157.00	135.00	123.00	112.00	102.00
-BC (Berylco)	8	300.00	230.00	185.00	164.00	143.00	132.00	120.00
3000-X131-ST		45.00	28.50	24.00	21.50	19.70	18.10	16.40
-ST-PA		51.80	33.70	28.30	25.10	22.90	21.00	19.00
-ST-ZB or ZD		53.40	35.10	29.40	26.10	23.70	21.70	19.70
-ST-CB or CD	8	54.50	36.00	30.10	26.70	24.30	22.20	20.20
-SS2 (Stainless)	8	268.00	202.00	160.00	140.00	125.00	118.00	105.00
-BC (Berylco)	8	315.00	240.00	194.00	174.00	150.00	140.00	127.00
3000-X137-ST		47.50	30.50	25.70	23.00	21.20	19.30	17.50
-ST-PA		54.30	35.90	30.10	26.80	24.50	22.30	20.20
-ST-ZB or ZD		55.90	37.30	31.30	27.80	25.30	23.00	20.90
-ST-CB or CD	8	57.00	38.20	32.00	28.40	25.80	23.50	21.40
-SS2 (Stainless)	8	275.00	210.00	168.00	145.00	132.00	112.00	111.00
-BC (Berylco)	8	335.00	254.00	200.00	182.00	157.00	147.00	135.00
3000-X143-ST		50.00	31.50	26.70	24.00	22.10	20.00	18.10
-ST-PA		57.30	37.30	31.50	28.10	25.60	23.20	21.00
-ST-ZB or ZD		58.90	38.70	32.70	29.00	26.50	23.90	21.70
-ST-CB or CD	8	60.00	39.60	33.30	29.60	27.00	24.40	22.20
-SS2 (Stainless)	8	290.00	219.00	174.00	150.00	138.00	128.00	115.00
-BC (Berylco)	8	355.00	265.00	210.00	192.00	165.00	155.00	140.00
3000-X145-ST		52.00	33.00	28.00	25.00	23.00	20.90	19.00
-ST-PA		59.70	38.80	32.80	29.10	26.50	24.10	21.90
-ST-ZB or ZD		60.90	40.20	34.00	30.00	27.40	24.80	22.60
-ST-CB or CD	8	62.00	41.00	34.60	30.60	27.90	25.30	23.10
-SS2 (Stainless)	8	293.00	223.00	176.00	152.00	140.00	129.00	116.00
-BC (Berylco)	8	360.00	270.00	214.00	197.00	170.00	159.00	144.00

PACKAGED IN QUANTITIES OF 100 PIECES

BULK NET PRICES PER 1000 RINGS

Sizes 3000-X37 through 3000-X200 also available stacked. For stacking charges, see Page 46.

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
3000-X150-ST		53.00	33.80	28.70	25.60	23.50	21.40	19.50
-ST-PA		61.10	40.20	34.00	30.10	27.40	24.90	22.70
-ST-ZB or ZD		62.80	41.70	35.20	31.10	28.40	25.80	23.50
-ST-CB or CD	8	63.90	42.70	36.00	31.70	28.90	26.30	24.00
-SS2 (Stainless)	8	300.00	230.00	180.00	155.00	145.00	133.00	120.00
-BC (Berylco)	8	370.00	280.00	220.00	205.00	175.00	162.00	147.00
3000-X156-ST		63.00	44.00	37.00	33.00	30.50	28.00	25.00
-ST-PA		77.60	55.70	46.20	40.90	37.60	34.60	31.10
-ST-ZB or ZD		80.60	58.40	48.30	42.80	39.40	36.20	32.60
-ST-CB or CD	6	83.20	60.50	50.10	44.20	40.50	37.40	33.60
-SS2 (Stainless)	6	375.00	304.00	240.00	208.00	190.00	175.00	160.00
-BC (Berylco)	6	495.00	400.00	315.00	275.00	255.00	230.00	210.00
3000-X162-ST		65.00	45.50	38.50	34.50	31.50	29.00	26.00
-ST-PA		79.80	57.40	47.90	42.60	38.70	35.70	32.20
-ST-ZB or ZD		82.90	60.10	50.00	44.40	40.50	37.30	33.70
-ST-CB or CD	6	85.50	62.20	51.80	45.80	41.60	38.50	34.80
-SS2 (Stainless)	6	395.00	319.00	250.00	215.00	200.00	185.00	168.00
-BC (Berylco)	6	530.00	430.00	335.00	293.00	270.00	245.00	225.00
3000-X165-ST		68.00	47.00	40.00	35.50	32.50	30.00	27.00
-ST-PA		82.80	58.90	49.40	43.60	39.70	36.70	33.20
-ST-ZB or ZD		85.90	61.60	51.50	45.40	41.50	38.30	34.70
-ST-CB or CD	6	88.50	63.70	53.30	46.80	42.60	39.50	35.80
-SS2 (Stainless)	6	402.00	325.00	257.00	222.00	205.00	188.00	171.00
-BC (Berylco)	6	550.00	445.00	350.00	305.00	280.00	260.00	235.00
3000-X168-ST		72.00	48.50	41.00	36.50	33.50	31.00	28.00
-ST-PA		87.20	60.80	50.60	44.80	41.00	37.90	34.40
-ST-ZB or ZD		90.00	63.10	52.70	46.60	42.60	39.40	35.80
-ST-CB or CD	6	92.90	65.40	54.60	48.10	43.80	40.70	37.00
-SS2 (Stainless)	6	414.00	334.00	264.00	229.00	210.00	194.00	175.00
-BC (Berylco)	6	570.00	460.00	365.00	315.00	290.00	265.00	240.00
3000-X175-ST		78.00	51.00	43.00	38.50	35.50	32.40	29.30
-ST-PA		93.20	63.30	52.60	46.80	43.00	39.30	35.70
-ST-ZB or ZD		96.00	65.60	54.70	48.60	44.60	40.80	37.10
-ST-CB or CD	4	98.90	67.90	56.60	50.10	45.80	42.10	38.30
-SS2 (Stainless)	4	435.00	350.00	278.00	240.00	222.00	203.00	185.00
-BC (Berylco)	4	615.00	500.00	395.00	340.00	315.00	287.00	260.00
3000-X181-ST		82.00	53.00	45.00	40.00	37.00	33.50	30.40
-ST-PA		97.50	65.50	54.80	48.40	44.60	40.50	36.90
-ST-ZB or ZD		100.50	67.90	56.80	50.20	46.20	42.10	38.30
-ST-CB or CD	4	103.50	70.20	58.70	51.70	47.40	43.30	39.50
-SS2 (Stainless)	4	450.00	365.00	288.00	250.00	230.00	210.00	192.00
-BC (Berylco)	4	649.00	525.00	414.00	357.00	330.00	302.00	275.00
3000-X185-ST		87.00	56.00	47.50	42.00	39.00	35.50	32.00
-ST-PA		102.70	68.50	57.30	50.40	46.60	42.50	38.50
-ST-ZB or ZD		105.70	70.90	59.30	52.20	48.20	44.10	39.90
-ST-CB or CD	4	108.70	73.20	61.20	53.70	49.40	45.30	41.10
-SS2 (Stainless)	4	463.00	374.00	295.00	255.00	235.00	215.00	197.00
-BC (Berylco)	4	680.00	550.00	435.00	375.00	347.00	317.00	290.00
3000-X187-ST		89.00	57.50	48.50	42.50	40.00	36.50	33.00
-ST-PA		104.70	70.20	58.40	51.00	47.70	43.70	39.60
-ST-ZB or ZD		107.70	72.70	60.60	52.90	49.30	45.20	41.00
-ST-CB or CD	4	110.70	75.00	62.50	54.40	50.60	46.50	42.30
-SS2 (Stainless)	4	468.00	378.00	299.00	259.00	239.00	219.00	199.00
-BC (Berylco)	4	695.00	560.00	444.00	385.00	355.00	325.00	295.00
3000-X193-ST		91.00	59.00	49.50	43.50	41.00	37.50	34.00
-ST-PA		107.00	71.70	59.40	52.00	48.70	44.70	40.60
-ST-ZB or ZD		110.00	74.20	61.60	53.90	50.30	46.20	42.00
-ST-CB or CD	4	113.00	76.50	63.50	55.40	51.60	47.50	43.30
-SS2 (Stainless)	4	484.00	390.00	309.00	268.00	247.00	227.00	205.00
-BC (Berylco)	4	750.00	610.00	480.00	415.00	385.00	350.00	320.00

*Less than 100 are available in Packets containing the quantity indicated for each size.

Steel (-ST) with -CD finish -X25 thru -X300: \$2.00 per Packet.

-X306 thru -X375: \$3.00 per Packet.

-X387 thru -X450: \$4.00 per Packet.

Stainless Steel (-SS2) -X25 thru -X300: \$5.00 per Packet.

Beryllium Copper (-BC) -X25 thru -X45: \$2.00 per Packet.

-X50 thru -X75: \$4.00 per Packet.

-X77 thru -X150: \$6.00 per Packet.

-X156 thru -X300: \$8.00 per Packet.

CODE	MATERIAL	CODE	FINISH
ST	Carbon Spring Steel (SAE 1075)	PA	Phosphate Coating
SS2	Stainless Steel (Armco PH 15-7 MO)	ZB	Zinc Plating, Bright
BC	Beryllium Copper (Berylco 25)	ZD	Zinc Plating, Dichromate Dip
		CB	Cadmium Plating, Bright
		CD	Cadmium Plating, Dichromate Dip
STANDARD FINISH: Oil Dip			



INTERNAL
SERIES
3000

BULK NET PRICES PER 1000 RINGS

Sizes 3000-X37 through 3000-X200 also available stacked. For stacking charges, see Page 46.

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
3000-X200-ST		94.00	61.50	51.50	45.50	42.50	39.00	35.00
-ST-PA		110.00	74.40	61.60	54.20	50.30	46.30	41.70
-ST-ZB or ZD		113.00	77.00	63.70	56.10	52.00	47.80	43.10
-ST-CB or CD	4	116.00	79.40	65.60	57.60	53.30	49.10	44.40
-SS2 (Stainless)	4	508.00	410.00	324.00	280.00	259.00	238.00	216.00
-BC (Berylco)	4	790.00	635.00	500.00	435.00	400.00	370.00	335.00
3000-X206-ST		135.00	110.00	85.00	75.00	69.00	63.00	61.50
-ST-PA		156.00	126.00	98.00	86.30	79.50	72.70	71.20
-ST-ZB or ZD		160.00	131.00	101.00	88.90	81.90	74.90	73.40
-ST-CB or CD	2	164.00	133.00	103.00	90.80	83.80	76.80	75.30
-SS2 (Stainless)	2	755.00	614.00	474.00	420.00	385.00	350.00	344.00
-BC (Berylco)	2	1040.00	830.00	640.00	570.00	520.00	475.00	465.00
3000-X212-ST		142.00	115.00	89.00	79.00	72.50	65.50	63.50
-ST-PA		164.00	131.00	102.00	90.60	83.20	75.40	73.40
-ST-ZB or ZD		168.00	136.00	105.00	93.20	85.60	77.60	75.60
-ST-CB or CD	2	172.00	139.00	108.00	95.20	87.50	79.50	77.50
-SS2 (Stainless)	2	785.00	639.00	493.00	438.00	400.00	365.00	358.00
-BC (Berylco)	2	1100.00	875.00	675.00	600.00	550.00	500.00	490.00
3000-X218-ST		148.00	120.00	92.50	82.50	75.50	68.50	67.00
-ST-PA		170.00	137.00	106.60	94.40	86.50	78.70	77.20
-ST-ZB or ZD		175.00	142.00	109.60	97.10	89.10	81.00	79.50
-ST-CB or CD	2	179.00	145.00	111.60	99.00	91.00	82.90	81.40
-SS2 (Stainless)	2	810.00	660.00	509.00	452.00	415.00	375.00	369.00
-BC (Berylco)	2	1150.00	915.00	705.00	630.00	575.00	525.00	515.00
3000-X225-ST		155.00	125.00	97.00	86.50	79.00	72.00	70.00
-ST-PA		177.00	142.00	111.10	98.40	90.00	82.20	80.20
-ST-ZB or ZD		182.00	147.00	114.10	101.10	92.60	84.50	82.50
-ST-CB or CD	2	186.00	150.00	116.10	103.00	94.50	86.40	84.40
-SS2 (Stainless)	2	845.00	689.00	530.00	470.00	430.00	390.00	385.00
-BC (Berylco)	2	1215.00	965.00	745.00	660.00	605.00	550.00	540.00
3000-X231-ST		160.00	130.00	100.00	90.00	82.50	75.00	73.00
-ST-PA		188.00	153.00	118.00	105.90	96.90	88.40	86.40
-ST-ZB or ZD		195.00	158.00	121.00	108.90	99.90	91.40	89.40
-ST-CB or CD	2	200.00	162.00	124.00	111.90	102.90	93.90	91.90
-SS2 (Stainless)	2	875.00	714.00	550.00	490.00	449.00	408.00	400.00
-BC (Berylco)	2	1270.00	1010.00	775.00	690.00	635.00	575.00	565.00
3000-X237-ST		165.00	135.00	105.00	93.00	85.00	77.00	75.00
-ST-PA		193.00	158.00	123.00	108.90	99.40	90.40	88.40
-ST-ZB or ZD		200.00	163.00	126.00	111.90	102.40	93.40	91.40
-ST-CB or CD	2	205.00	167.00	129.00	114.90	105.40	95.90	93.90
-SS2 (Stainless)	2	905.00	735.00	570.00	505.00	464.00	420.00	410.00
-BC (Berylco)	2	1320.00	1050.00	810.00	720.00	660.00	600.00	585.00
3000-X244-ST		175.00	140.00	110.00	97.00	89.00	81.00	79.00
-ST-PA		204.00	164.00	128.00	113.40	104.60	95.00	93.00
-ST-ZB or ZD		211.00	169.00	133.00	116.40	107.60	98.00	96.00
-ST-CB or CD	2	217.00	173.00	136.00	119.40	110.60	100.70	98.70
-SS2 (Stainless)	2	940.00	765.00	590.00	525.00	480.00	435.00	425.00
-BC (Berylco)	2	1380.00	1100.00	850.00	750.00	690.00	630.00	615.00
3000-X250-ST		180.00	145.00	114.00	100.00	92.00	84.00	82.00
-ST-PA		209.00	169.00	132.00	116.40	107.60	98.00	96.00
-ST-ZB or ZD		216.00	174.00	137.00	119.40	110.60	101.00	99.00
-ST-CB or CD	2	222.00	178.00	140.00	122.40	113.60	103.70	101.70
-SS2 (Stainless)	2	970.00	790.00	610.00	540.00	495.00	450.00	440.00
-BC (Berylco)	2	1430.00	1140.00	880.00	785.00	720.00	650.00	640.00

PACKAGED IN QUANTITIES OF 100 PIECES

BULK NET PRICES PER 1000 RINGS

Sizes 3000-X37 through 3000-X200 also available stacked. For stacking charges, see Page 46.

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
3000-X262-ST		234.00	190.00	145.00	130.00	120.00	109.00	107.00
-ST-PA		270.00	219.00	168.00	150.00	138.00	126.00	124.00
-ST-ZB or ZD		278.00	225.00	173.00	154.00	142.00	130.00	128.00
-ST-CB or CD	2	285.00	229.00	176.00	158.00	145.00	133.00	131.00
-SS2 (Stainless)	2	1275.00	1040.00	802.00	713.00	653.00	594.00	580.00
-BC (Berylco)	2	1860.00	1480.00	1140.00	1015.00	930.00	840.00	830.00
3000-X268-ST		240.00	195.00	150.00	133.00	123.00	112.00	110.00
-ST-PA		276.00	224.00	173.00	153.00	141.00	129.00	127.00
-ST-ZB or ZD		284.00	230.00	178.00	159.00	145.00	133.00	131.00
-ST-CB or CD	2	291.00	234.00	181.00	163.00	148.00	136.00	134.00
-SS2 (Stainless)	2	1325.00	1080.00	830.00	740.00	680.00	615.00	600.00
-BC (Berylco)	2	1950.00	1550.00	1190.00	1060.00	970.00	880.00	865.00
3000-X275-ST		250.00	205.00	158.00	140.00	129.00	115.00	113.00
-ST-PA		287.00	235.00	181.00	160.00	148.00	132.00	130.00
-ST-ZB or ZD		295.00	241.00	186.00	165.00	152.00	136.00	134.00
-ST-CB or CD	2	302.00	246.00	190.00	168.00	155.00	139.00	137.00
-SS2 (Stainless)	2	1390.00	1130.00	870.00	775.00	710.00	645.00	630.00
-BC (Berylco)	2	2040.00	1620.00	1250.00	1110.00	1020.00	930.00	910.00
3000-X281-ST		255.00	210.00	162.00	144.00	132.00	118.00	116.00
-ST-PA		298.00	245.00	189.00	168.00	154.00	138.00	136.00
-ST-ZB or ZD		307.00	252.00	195.00	173.00	159.00	142.00	140.00
-ST-CB or CD	2	315.00	258.00	200.00	177.00	162.00	146.00	144.00
-SS2 (Stainless)	2	1440.00	1170.00	905.00	805.00	735.00	670.00	655.00
-BC (Berylco)	2	2130.00	1690.00	1300.00	1160.00	1060.00	970.00	950.00
3000-X287-ST		264.00	215.00	166.00	148.00	135.00	121.00	119.00
-ST-PA		309.00	251.00	194.00	173.00	158.00	142.00	140.00
-ST-ZB or ZD		319.00	259.00	200.00	178.00	163.00	147.00	145.00
-ST-CB or CD	2	327.00	265.00	205.00	182.00	167.00	151.00	149.00
-SS2 (Stainless)	2	1490.00	1220.00	940.00	835.00	765.00	695.00	680.00
-BC (Berylco)	2	2220.00	1760.00	1360.00	1200.00	1110.00	1000.00	980.00
3000-X300-ST		275.00	225.00	174.00	155.00	142.00	129.00	125.00
-ST-PA		322.00	263.00	204.00	181.00	166.00	151.00	147.00
-ST-ZB or ZD		332.00	272.00	210.00	186.00	171.00	156.00	152.00
-ST-CB or CD	2	340.00	277.00	215.00	191.00	175.00	160.00	156.00
-SS2 (Stainless)	2	1610.00	1310.00	1010.00	900.00	825.00	750.00	735.00
-BC (Berylco)	2	2400.00	1900.00	1470.00	1300.00	1200.00	1090.00	1060.00
3000-X306-ST		405.00	335.00	270.00	249.00	225.00	220.00	215.00
-ST-PA		455.00	375.00	300.00	276.00	250.00	245.00	240.00
-ST-ZB or ZD		490.00	405.00	322.00	296.00	268.00	263.00	258.00
-ST-CB or CD	2	498.00	410.00	326.00	300.00	272.00	267.00	262.00
3000-X312-ST		420.00	350.00	280.00	257.00	233.00	228.00	222.00
-ST-PA		472.00	392.00	310.00	286.00	259.00	254.00	248.00
-ST-ZB or ZD		509.00	422.00	332.00	306.00	277.00	272.00	266.00
-ST-CB or CD	2	517.00	428.00	336.00	310.00	281.00	276.00	270.00
3000-X315-ST		425.00	355.00	284.00	260.00	235.00	230.00	225.00
-ST-PA		477.00	398.00	316.00	289.00	262.00	257.00	252.00
-ST-ZB or ZD		516.00	429.00	340.00	310.00	280.00	275.00	270.00
-ST-CB or CD	2	524.00	435.00	344.00	314.00	284.00	279.00	274.00
3000-X325-ST		445.00	370.00	295.00	270.00	248.00	240.00	235.00
-ST-PA		501.00	415.00	330.00	300.00	275.00	268.00	264.00
-ST-ZB or ZD		540.00	448.00	355.00	325.00	295.00	289.00	284.00
-ST-CB or CD	2	550.00	454.00	360.00	328.00	300.00	292.00	288.00
3000-X334-ST		465.00	389.00	310.00	285.00	259.00	253.00	245.00
-ST-PA		526.00	438.00	346.00	318.00	289.00	283.00	275.00
-ST-ZB or ZD		569.00	474.00	374.00	342.00	311.00	305.00	297.00
-ST-CB or CD	2	579.00	481.00	379.00	347.00	316.00	310.00	302.00

PACKAGED IN QUANTITIES OF 100 PIECES

*Less than 100 are available in Packets containing the quantity indicated for each size.

Steel (-ST) with -CD finish -X25 thru -X300: \$2.00 per Packet.

-X306 thru -X375: \$3.00 per Packet.

-X387 thru -X450: \$4.00 per Packet.

Stainless Steel (-SS2) -X25 thru -X300: \$5.00 per Packet.

Beryllium Copper (-BC) -X25 thru -X45: \$2.00 per Packet.

-X50 thru -X75: \$4.00 per Packet.

-X77 thru -X150: \$6.00 per Packet.

-X156 thru -X300: \$8.00 per Packet.

CODE	MATERIAL	CODE	FINISH
ST	Carbon Spring Steel (SAE 1075)	PA	Phosphate Coating
SS2	Stainless Steel (Armco PH 15-7 MO)	ZB	Zinc Plating, Bright
BC	Beryllium Copper (Berylco 25)	ZD	Zinc Plating, Dichromate Dip
		CB	Cadmium Plating, Bright
		CD	Cadmium Plating, Dichromate Dip

STANDARD FINISH: Oil Dip



INTERNAL
SERIES
3000

BULK NET PRICES PER 1000 RINGS

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
3000-X350-ST	2	495.00	415.00	330.00	300.00	275.00	270.00	260.00
-ST-PA		559.00	467.00	369.00	335.00	308.00	303.00	293.00
-ST-ZB or ZD		606.00	505.00	398.00	361.00	330.00	325.00	315.00
-ST-CB or CD		616.00	513.00	403.00	366.00	336.00	331.00	321.00
3000-X354-ST	2	500.00	420.00	335.00	305.00	280.00	274.00	265.00
-ST-PA		566.00	480.00	375.00	341.00	313.00	307.00	298.00
-ST-ZB or ZD		613.00	524.00	404.00	367.00	336.00	330.00	321.00
-ST-CB or CD		625.00	532.00	410.00	372.00	342.00	336.00	327.00
3000-X375-ST	2	550.00	459.00	365.00	335.00	305.00	295.00	290.00
-ST-PA		624.00	519.00	410.00	375.00	342.00	332.00	327.00
-ST-ZB or ZD		678.00	563.00	443.00	405.00	369.00	359.00	354.00
-ST-CB or CD		690.00	572.00	449.00	411.00	375.00	365.00	360.00
3000-X387-ST	2	575.00	480.00	380.00	350.00	320.00	310.00	300.00
-ST-PA		652.00	543.00	427.00	392.00	359.00	349.00	339.00
-ST-ZB or ZD		709.00	590.00	463.00	423.00	387.00	376.00	367.00
-ST-CB or CD		722.00	599.00	468.00	429.00	393.00	382.00	373.00
3000-X393-ST	2	585.00	490.00	390.00	360.00	325.00	315.00	305.00
-ST-PA		664.00	555.00	438.00	403.00	365.00	355.00	345.00
-ST-ZB or ZD		723.00	604.00	475.00	436.00	394.00	384.00	374.00
-ST-CB or CD		736.00	712.00	481.00	442.00	400.00	390.00	380.00
3000-X412-ST	2	695.00	580.00	460.00	425.00	385.00	375.00	368.00
-ST-PA		778.00	647.00	510.00	470.00	426.00	416.00	409.00
-ST-ZB or ZD		840.00	699.00	549.00	504.00	457.00	447.00	440.00
-ST-CB or CD		853.00	708.00	555.00	510.00	464.00	454.00	447.00
3000-X450-ST	2	775.00	650.00	520.00	475.00	430.00	420.00	410.00
-ST-PA		872.00	731.00	579.00	528.00	479.00	469.00	459.00
-ST-ZB or ZD		946.00	795.00	626.00	568.00	515.00	505.00	495.00
-ST-CB or CD		961.00	804.00	633.00	576.00	523.00	513.00	503.00

PACKAGED IN QUANTITIES OF 100 PIECES

INTERNAL
SERIES
3001



CODE	MATERIAL	CODE	FINISH
ST	Carbon Spring Steel (SAE 1075)	PA	Phosphate Coating
SS2	Stainless Steel (Armco PH 15-7 MO)	ZB	Zinc Plating, Bright
BC	Beryllium Copper (Berylco 25)	ZD	Zinc Plating, Dichromate Dip
		CB	Cadmium Plating, Bright
		CD	Cadmium Plating, Dichromate Dip

STANDARD FINISH: Oil Dip

BULK NET PRICES PER 1000 RINGS

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
3001-X25-ST		23.00	17.30	13.80	11.50	9.60	8.50	7.70
-ST-PA		23.70	17.90	14.30	12.00	9.95	8.75	7.95
-ST-ZB or ZD		24.10	18.30	14.60	12.20	10.15	8.95	8.15
-ST-CB or CD	30	24.30	18.40	14.70	12.30	10.25	9.05	8.25
-SS2 (Stainless)	30	120.00	97.20	80.20	68.10	60.70	53.40	48.60
-BC (Berylco)	30	37.50	30.30	25.00	21.30	19.00	16.50	15.10
3001-X31-ST		23.80	17.90	14.30	11.90	9.90	8.70	7.90
-ST-PA		24.50	18.50	14.80	12.40	10.25	8.95	8.15
-ST-ZB or ZD		24.90	18.90	15.10	12.60	10.45	9.15	8.35
-ST-CB or CD	30	25.10	19.00	15.20	12.70	10.55	9.25	8.45
-SS2 (Stainless)	30	125.00	99.40	82.00	69.60	62.20	54.60	49.70
-BC (Berylco)	30	45.00	36.00	29.50	25.00	22.50	19.50	18.00
3001-X37-ST		24.10	18.10	14.50	12.10	10.10	8.80	8.00
-ST-PA		24.80	18.70	15.00	12.60	10.45	9.05	8.25
-ST-ZB or ZD		25.20	19.10	15.30	12.80	10.65	9.25	8.45
-ST-CB or CD	30	25.40	19.20	15.40	12.90	10.75	9.35	8.55
-SS2 (Stainless)	30	128.00	103.00	84.70	72.00	64.20	56.50	51.40
-BC (Berylco)	30	57.50	46.00	38.00	32.30	28.50	25.00	23.00
3001-X43-ST		24.80	18.60	14.90	12.50	10.30	9.00	8.20
-ST-PA		25.50	19.20	15.40	13.00	10.65	9.25	8.45
-ST-ZB or ZD		25.90	19.60	15.70	13.20	10.85	9.45	8.65
-ST-CB or CD	30	26.10	19.70	15.80	13.30	10.95	9.55	8.75
-SS2 (Stainless)	30	132.00	105.00	87.10	73.90	66.00	58.10	52.80
-BC (Berylco)	30	65.40	52.00	43.00	36.50	32.50	28.50	26.00
3001-X45-ST		25.50	19.20	15.40	12.90	10.70	9.40	8.50
-ST-PA		26.20	19.80	15.90	13.40	11.05	9.65	8.75
-ST-ZB or ZD		26.60	20.20	16.20	13.60	11.25	9.85	8.95
-ST-CB or CD	30	26.80	20.30	16.30	13.70	11.35	9.95	9.05
-SS2 (Stainless)	30	133.00	106.00	87.70	74.40	66.50	58.50	53.20
-BC (Berylco)	30	68.00	54.50	45.00	38.00	34.00	30.00	27.00
3001-X50-ST		26.50	20.70	16.50	14.10	11.70	10.30	9.40
-ST-PA		27.60	21.50	17.20	14.70	12.25	10.75	9.75
-ST-ZB or ZD		28.00	21.90	17.50	15.00	12.45	10.95	9.95
-ST-CB or CD	25	28.20	22.10	17.70	15.10	12.55	11.05	10.05
-SS2 (Stainless)	25	140.00	112.00	92.70	78.60	70.20	61.80	56.20
-BC (Berylco)	25	78.00	62.50	51.50	43.50	39.00	34.50	31.00
3001-X51-ST		26.90	20.80	16.60	14.20	11.80	10.40	9.50
-ST-PA		28.00	21.60	17.30	14.80	12.35	10.85	9.85
-ST-ZB or ZD		28.40	22.00	17.60	15.10	12.55	11.05	10.15
-ST-CB or CD	25	28.60	22.20	17.80	15.20	12.65	11.15	10.25
-SS2 (Stainless)	25	142.00	114.00	93.60	79.50	70.90	62.40	56.80
-BC (Berylco)	25	81.00	64.50	53.50	45.00	40.50	35.50	32.00
3001-X56-ST		27.50	21.50	17.30	15.00	12.50	11.00	10.00
-ST-PA		28.70	22.40	18.10	15.70	13.10	11.55	10.45
-ST-ZB or ZD		29.10	22.80	18.40	16.00	13.30	11.75	10.65
-ST-CB or CD	25	29.30	23.00	18.60	16.10	13.40	11.85	10.75
-SS2 (Stainless)	25	148.00	119.00	97.60	82.80	73.90	65.10	59.20
-BC (Berylco)	25	93.00	74.50	61.50	52.00	46.50	41.00	37.00

PACKAGED IN QUANTITIES OF 100 PIECES

* Less than 100 are available in Packets containing the quantity indicated for each size.

Steel (-ST) with -CD finish -X25 thru -X150: \$2.00 per Packet.
Stainless Steel (-SS2) -X25 thru -X150: \$5.00 per Packet.

Beryllium Copper (-BC) -X25 thru -X45: \$2.00 per Packet.
-X50 thru -X75: \$4.00 per Packet.
-X77 thru -X150: \$6.00 per Packet.

BULK NET PRICES PER 1000 RINGS

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
3001-X62-ST		28.50	22.30	18.10	16.10	13.30	11.80	10.70
-ST-PA		29.70	23.20	18.90	16.80	13.90	12.35	11.15
-ST-ZB or ZD		30.10	23.60	19.20	17.10	14.10	12.55	11.35
-ST-CB or CD	25	30.30	23.80	19.40	17.20	14.20	12.65	11.45
-SS2 (Stainless)	25	155.00	124.00	102.00	86.70	77.40	68.20	61.90
-BC (Berylco)	25	108.00	86.50	71.50	60.50	54.00	47.50	43.00
3001-X68-ST		29.40	23.30	19.10	17.00	14.20	12.50	11.40
-ST-PA		31.00	24.60	20.20	17.90	15.00	13.20	12.00
-ST-ZB or ZD		31.40	24.90	20.50	18.20	15.20	13.40	12.20
-ST-CB or CD	25	31.70	25.10	20.70	18.30	15.30	13.50	12.30
-SS2 (Stainless)	25	162.00	130.06	107.00	90.50	81.00	71.00	64.50
-BC (Berylco)	25	124.00	98.00	81.00	68.50	61.50	54.00	49.00
3001-X75-ST		30.40	24.30	20.10	17.50	15.00	13.10	12.00
-ST-PA		32.10	25.60	21.20	18.40	15.80	13.80	12.60
-ST-ZB or ZD		32.50	25.90	21.50	18.70	16.00	14.00	12.80
-ST-CB or CD	25	32.80	26.20	21.70	18.80	16.10	14.10	13.00
-SS2 (Stainless)	25	170.00	137.00	113.00	95.50	85.00	75.00	68.00
-BC (Berylco)	25	140.00	112.00	92.50	78.50	70.00	61.50	56.00
3001-X77-ST		31.80	24.90	20.30	17.70	15.20	13.30	12.30
-ST-PA		34.60	27.10	22.40	19.30	16.60	14.60	13.50
-ST-ZB or ZD		35.50	27.90	22.80	19.80	17.00	15.00	13.80
-ST-CB or CD	20	35.90	28.20	23.10	20.00	17.10	15.10	14.00
-SS2 (Stainless)	20	156.00	149.00	123.00	104.00	93.00	82.00	74.00
-BC (Berylco)	20	192.00	154.00	126.00	107.00	95.00	84.00	76.50
3001-X81-ST		33.00	25.50	20.80	18.20	15.70	13.80	12.80
-ST-PA		35.80	27.70	22.90	19.80	17.10	15.10	14.00
-ST-ZB or ZD		36.70	28.50	23.30	20.30	17.50	15.50	14.30
-ST-CB or CD	16	37.10	28.80	23.60	20.50	17.60	15.60	14.50
-SS2 (Stainless)	16	193.00	155.00	127.00	108.00	96.50	85.00	77.00
-BC (Berylco)	16	203.00	162.00	133.00	113.00	100.00	89.00	80.50
3001-X86-ST		35.00	26.00	21.30	18.70	16.20	14.30	13.30
-ST-PA		37.90	28.30	23.40	20.30	17.70	15.60	14.50
-ST-ZB or ZD		38.80	29.10	23.90	20.90	18.10	16.00	14.80
-ST-CB or CD	16	39.20	29.50	24.10	21.20	18.30	16.20	15.00
-SS2 (Stainless)	16	202.00	161.00	133.00	113.00	101.00	88.50	80.50
-BC (Berylco)	16	217.00	174.00	143.00	121.00	108.00	95.00	86.50
3001-X87-ST		35.00	26.00	21.30	18.70	16.20	14.30	13.30
-ST-PA		37.90	28.30	23.40	20.30	17.70	15.60	14.50
-ST-ZB or ZD		38.80	29.10	23.90	20.90	18.10	16.00	14.80
-ST-CB or CD	16	39.20	29.50	24.10	21.20	18.30	16.20	15.00
-SS2 (Stainless)	16	202.00	161.00	133.00	113.00	101.00	88.50	80.50
-BC (Berylco)	16	217.00	174.00	143.00	121.00	108.00	95.00	86.50
3001-X90-ST		36.50	26.50	21.80	19.20	16.70	14.80	13.80
-ST-PA		39.50	28.90	23.90	20.90	18.20	16.20	15.10
-ST-ZB or ZD		40.40	29.70	24.40	21.50	18.60	16.60	15.40
-ST-CB or CD	14	40.80	30.10	24.70	22.00	18.80	16.80	15.60
-SS2 (Stainless)	14	209.00	167.00	138.00	117.00	104.00	91.50	83.00
-BC (Berylco)	14	228.00	183.00	150.00	127.00	114.00	100.00	90.00
3001-X93-ST		37.50	27.10	22.40	19.80	17.30	15.40	14.40
-ST-PA		40.50	29.50	24.50	21.50	18.80	16.80	15.70
-ST-ZB or ZD		41.40	30.30	25.00	22.10	19.20	17.20	16.00
-ST-CB or CD	14	41.80	30.70	25.30	22.60	19.40	17.40	16.20
-SS2 (Stainless)	14	214.00	170.00	140.00	120.00	107.00	94.00	85.00
-BC (Berylco)	14	235.00	189.00	155.00	132.00	118.00	104.00	94.00
3001-X100-ST		40.00	28.20	23.30	20.70	18.20	16.30	15.30
-ST-PA		43.20	30.70	25.40	22.50	19.80	17.70	16.60
-ST-ZB or ZD		44.10	31.50	26.00	23.10	20.20	18.10	16.90
-ST-CB or CD	12	44.50	31.90	26.30	23.60	20.40	18.30	17.10
-SS2 (Stainless)	12	225.00	180.00	149.00	126.00	113.00	99.00	90.00
-BC (Berylco)	12	255.00	204.00	169.00	141.00	125.00	110.00	100.00

PACKAGED IN QUANTITIES OF 100 PIECES

BULK NET PRICES PER 1000 RINGS

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
3001-X102-ST		40.60	28.60	23.70	21.10	18.60	16.90	15.70
-ST-PA		43.80	31.10	25.80	22.90	20.20	18.30	17.00
-ST-ZB or ZD		44.70	31.90	26.40	23.50	20.60	18.70	17.30
-ST-CB or CD	12	45.10	32.30	26.70	24.00	20.80	18.90	17.60
-SS2 (Stainless)	12	229.00	184.00	151.00	129.00	115.00	101.00	91.00
-BC (Berylco)	12	260.00	209.00	173.00	145.00	131.00	115.00	104.00
3001-X106-ST		46.00	32.40	26.80	24.00	22.20	20.30	18.50
-ST-PA		52.30	37.40	30.90	27.50	25.30	23.00	21.00
-ST-ZB or ZD		53.90	38.80	32.00	28.50	26.10	23.70	21.70
-ST-CB or CD	10	54.90	39.60	32.70	29.00	26.60	24.20	22.20
-SS2 (Stainless)	10	265.00	210.00	174.00	148.00	132.00	117.00	105.00
-BC (Berylco)	10	294.00	235.00	195.00	165.00	147.00	130.00	115.00
3001-X112-ST		48.00	33.60	27.90	25.00	23.10	21.10	19.20
-ST-PA		54.30	38.60	32.00	28.50	26.20	23.80	21.70
-ST-ZB or ZD		55.90	40.00	33.10	29.50	27.00	24.50	22.40
-ST-CB or CD	10	56.90	40.80	33.80	30.00	27.50	25.00	22.90
-SS2 (Stainless)	10	279.00	219.00	179.00	153.00	137.00	123.00	112.00
-BC (Berylco)	10	315.00	245.00	205.00	175.00	155.00	139.00	125.00
3001-X118-ST		49.50	34.70	28.70	25.80	23.80	21.80	19.80
-ST-PA		56.00	39.90	33.00	29.40	27.00	24.70	22.40
-ST-ZB or ZD		57.60	41.30	34.10	30.40	27.80	25.40	23.10
-ST-CB or CD	10	58.70	42.20	34.80	31.00	28.30	25.90	23.60
-SS2 (Stainless)	10	293.00	226.00	184.00	157.00	142.00	129.00	117.00
-BC (Berylco)	10	340.00	260.00	214.00	185.00	163.00	150.00	135.00
3001-X125-ST		52.00	36.40	30.00	27.00	25.00	22.80	20.80
-ST-PA		58.50	41.60	34.30	30.60	28.20	25.70	23.40
-ST-ZB or ZD		60.10	43.00	35.40	31.60	29.00	26.40	24.10
-ST-CB or CD	8	61.20	43.90	36.10	32.20	29.50	26.90	24.60
-SS2 (Stainless)	8	305.00	234.00	189.00	162.00	148.00	135.00	123.00
-BC (Berylco)	8	360.00	275.00	220.00	195.00	170.00	155.00	140.00
3001-X131-ST		54.50	38.30	31.70	28.50	26.00	23.80	21.80
-ST-PA		61.00	43.50	36.00	32.10	29.20	26.70	24.40
-ST-ZB or ZD		62.60	44.90	37.10	33.10	30.00	27.40	25.10
-ST-CB or CD	8	63.70	45.80	37.80	33.70	30.50	27.90	25.60
-SS2 (Stainless)	8	322.00	243.00	195.00	168.00	153.00	142.00	129.00
-BC (Berylco)	8	380.00	290.00	230.00	205.00	180.00	165.00	150.00
3001-X137-ST		58.00	40.60	33.60	30.10	27.90	25.50	23.20
-ST-PA		64.80	46.00	38.00	33.90	31.20	28.50	25.90
-ST-ZB or ZD		66.40	47.40	39.20	34.90	32.00	29.20	26.60
-ST-CB or CD	8	67.50	48.30	39.90	35.50	32.50	29.70	27.10
-SS2 (Stainless)	8	334.00	251.00	199.00	173.00	159.00	147.00	133.00
-BC (Berylco)	8	405.00	305.00	240.00	220.00	190.00	175.00	160.00
3001-X143-ST		61.00	42.60	35.30	31.70	29.30	26.80	24.40
-ST-PA		68.30	48.40	40.10	35.80	32.80	30.00	27.30
-ST-ZB or ZD		69.90	49.80	41.30	36.70	33.70	30.70	28.00
-ST-CB or CD	8	71.00	50.70	41.90	37.30	34.20	31.20	28.50
-SS2 (Stainless)	8	348.00	259.00	205.00	179.00	163.00	154.00	139.00
-BC (Berylco)	8	425.00	315.00	250.00	230.00	200.00	185.00	170.00
3001-X145-ST		63.40	44.30	36.50	32.90	30.40	27.90	25.30
-ST-PA		70.70	50.10	41.30	37.00	33.90	31.10	28.20
-ST-ZB or ZD		72.30	51.50	42.50	37.90	34.80	31.80	28.90
-ST-CB or CD	8	73.40	52.40	43.10	38.50	35.30	32.30	29.40
-SS2 (Stainless)	8	352.00	268.00	211.00	184.00	168.00	155.00	141.00
-BC (Berylco)	8	430.00	320.00	255.00	235.00	205.00	190.00	173.00
3001-X150-ST		64.50	45.00	37.50	33.50	31.00	28.50	25.80
-ST-PA		72.60	51.40	42.80	38.00	34.90	32.00	29.00
-ST-ZB or ZD		74.30	52.90	44.00	39.00	35.90	32.90	29.80
-ST-CB or CD	8	75.40	53.90	44.80	39.60	36.40	33.40	30.30
-SS2 (Stainless)	8	364.00	275.00	217.00	189.00	174.00	160.00	145.00
-BC (Berylco)	8	440.00	335.00	265.00	245.00	210.00	195.00	178.00

*Less than 100 are available in Packets containing the quantity indicated for each size.

Steel (-ST) with -CD finish -X25 thru -X150: \$2.00 per Packet.
Stainless Steel (-SS2) -X25 thru -X150: \$5.00 per Packet.

Beryllium Copper (-BC) -X25 thru -X45: \$2.00 per Packet.
-X50 thru -X75: \$4.00 per Packet.
-X77 thru -X150: \$6.00 per Packet.

CODE	MATERIAL	CODE	FINISH
ST	Carbon Spring Steel (SAE 1075)	PA	Phosphate Coating
SS2	Stainless Steel (Armco PH 15-7 MO)	ZB	Zinc Plating, Bright
BC	Beryllium Copper (Berylco 25)	ZD	Zinc Plating, Dichromate Dip
		CB	Cadmium Plating, Bright
		CD	Cadmium Plating, Dichromate Dip

STANDARD FINISH: Oil Dip



EXTERNAL
SERIES
3100

BULK NET PRICES PER 1000 RINGS

Sizes 3100-25 through 3100-137 also available stacked. For stacking charges, see page 46.

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
PACKAGED IN QUANTITIES OF 100 PIECES								
† 3100-12-BC (Berylco)	30	18.50	14.30	12.30	10.20	8.50	7.50	6.80
-BC-ZB or ZD		20.00	15.40	13.20	11.00	9.15	8.10	7.30
-BC-CB or CD	30	20.00	15.40	13.20	11.00	9.15	8.10	7.30
† 3100-15-BC (Berylco)	30	18.90	14.50	12.50	10.40	8.65	7.60	6.90
-BC-ZB or ZD		20.20	15.60	13.40	11.20	9.30	8.20	7.40
-BC-CB or CD	30	20.20	15.60	13.40	11.20	9.30	8.20	7.40
† 3100-18-BC (Berylco)	30	19.70	15.70	13.10	11.00	9.85	8.65	7.85
-BC-ZB or ZD		21.00	16.80	14.00	11.80	10.60	9.20	8.40
-BC-CB or CD	30	21.00	16.80	14.00	11.80	10.60	9.20	8.40
† 3100-19-BC (Berylco)	30	19.90	15.90	13.30	11.20	9.95	8.75	7.95
-BC-ZB or ZD		21.20	17.00	14.20	12.00	10.70	9.30	8.50
-BC-CB or CD	30	21.20	17.00	14.20	12.00	10.70	9.30	8.50
† 3100-21-BC (Berylco)	30	20.50	16.40	13.70	11.50	10.30	9.00	8.20
-BC-ZB or ZD		21.80	17.50	14.60	12.30	11.00	9.70	8.70
-BC-CB or CD	30	21.80	17.50	14.60	12.30	11.00	9.70	8.70
† 3100-23-BC (Berylco)	30	21.00	16.80	14.10	11.80	10.50	9.20	8.40
-BC-ZB or ZD		22.30	17.90	15.00	12.60	11.20	9.90	8.90
-BC-CB or CD	30	22.30	17.90	15.00	12.60	11.20	9.90	8.90
3100-25-ST		18.40	13.70	11.00	9.20	7.60	6.70	6.10
-ST-PA		19.10	14.30	11.50	9.65	7.95	7.00	6.35
-ST-ZB or ZD		19.50	14.60	11.80	9.85	8.15	7.20	6.55
-ST-CB or CD	30	19.90	14.80	11.90	9.95	8.25	7.30	6.65
-SS2 (Stainless)	30	93.80	75.00	61.90	52.50	46.90	41.20	37.50
-BC (Berylco)	30	33.00	26.40	21.80	18.50	16.50	14.50	13.20
3100-27-ST		18.70	14.00	11.20	9.30	7.70	6.80	6.20
-ST-PA		19.40	14.60	11.70	9.75	8.05	7.10	6.45
-ST-ZB or ZD		19.80	14.90	12.00	9.95	8.25	7.30	6.65
-ST-CB or CD	30	20.00	15.10	12.10	10.05	8.35	7.40	6.75
-SS2 (Stainless)	30	94.00	75.20	62.00	52.60	47.00	41.40	37.60
-BC (Berylco)	30	35.30	28.20	23.30	19.50	17.50	15.50	14.00
3100-28-ST		18.80	14.10	11.30	9.40	7.80	6.90	6.30
-ST-PA		19.50	14.70	11.80	9.85	8.15	7.20	6.55
-ST-ZB or ZD		19.90	15.00	12.10	10.05	8.35	7.40	6.75
-ST-CB or CD	30	20.10	15.20	12.20	10.15	8.45	7.50	6.85
-SS2 (Stainless)	30	94.30	75.40	62.20	52.80	47.10	41.50	37.70
-BC (Berylco)	30	36.30	29.00	23.90	20.30	18.10	16.00	14.50
3100-31-ST		19.10	14.30	11.40	9.50	7.90	7.00	6.40
-ST-PA		19.80	14.90	11.90	10.00	8.25	7.30	6.65
-ST-ZB or ZD		20.20	15.20	12.20	10.20	8.45	7.50	6.85
-ST-CB or CD	30	20.40	15.40	12.30	10.30	8.55	7.60	6.95
-SS2 (Stainless)	30	95.00	76.00	62.70	53.20	47.50	41.80	38.00
-BC (Berylco)	30	39.30	31.40	25.90	22.00	19.60	17.30	15.70
3100-34-ST		19.50	14.50	11.60	9.70	8.00	7.10	6.40
-ST-PA		20.20	15.10	12.10	10.15	8.35	7.40	6.65
-ST-ZB or ZD		20.60	15.40	12.40	10.35	8.55	7.60	6.85
-ST-CB or CD	30	20.80	15.60	12.50	10.45	8.65	7.70	6.95
-SS2 (Stainless)	30	95.50	76.40	63.00	53.50	47.80	42.00	38.20
-BC (Berylco)	30	42.30	33.80	27.90	23.70	21.10	18.60	16.90

*Less than 100 are available in Packets containing the quantity indicated for each size.
 Steel (-ST) with -CD finish -25 thru -343: \$2.00 per Packet.
 Stainless Steel (-SS2) -25 thru -315: \$5.00 per Packet.
 -325 thru -343: \$6.00 per Packet.

Beryllium Copper (-BC) -12 thru -46: \$2.00 per Packet.
 -50 thru -67: \$4.00 per Packet.
 -68 thru -102: \$6.00 per Packet.
 -106 thru -315: \$8.00 per Packet.
 -325 thru -343: \$9.00 per Packet. -25-

†Available in Beryllium Copper only.

BULK NET PRICES PER 1000 RINGS

Sizes 3100-25 through 3100-137 also available stacked. For stacking charges, see Page 46.

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
3100-35-ST		19.70	14.80	11.70	9.80	8.10	7.20	6.50
-ST-PA		20.40	15.40	12.20	10.30	8.45	7.50	6.75
-ST-ZB or ZD		20.80	15.70	12.50	10.50	8.65	7.70	6.95
-ST-CB or CD	30	21.00	15.90	12.60	10.60	8.75	7.80	7.05
-SS2 (Stainless)	30	95.80	76.60	63.20	53.60	47.90	42.10	38.30
-BC (Berylco)	30	43.50	34.80	28.70	24.40	21.80	19.10	17.40
3100-37-ST		20.00	15.00	11.90	9.90	8.20	7.30	6.60
-ST-PA		20.70	15.60	12.40	10.40	8.55	7.60	6.85
-ST-ZB or ZD		21.10	15.90	12.70	10.60	8.75	7.80	7.05
-ST-CB or CD	30	21.30	16.10	12.80	10.70	8.85	7.90	7.15
-SS2 (Stainless)	30	96.00	76.80	63.40	53.80	48.00	42.20	38.40
-BC (Berylco)	30	45.80	36.60	30.20	25.60	22.90	20.10	18.30
3100-39-ST		20.50	15.30	12.20	10.20	8.40	7.50	6.80
-ST-PA		21.20	15.90	12.70	10.70	8.75	7.80	7.05
-ST-ZB or ZD		21.60	16.20	13.00	10.90	8.95	8.00	7.25
-ST-CB or CD	30	21.80	16.40	13.10	11.00	9.05	8.10	7.35
-SS2 (Stainless)	30	97.00	77.60	64.00	54.30	48.50	42.70	38.80
-BC (Berylco)	30	47.50	38.00	31.40	26.60	23.80	20.90	19.00
3100-40-ST		20.90	15.50	12.40	10.30	8.50	7.60	6.90
-ST-PA		21.60	16.10	12.90	10.80	8.85	7.90	7.15
-ST-ZB or ZD		22.00	16.40	13.20	11.00	9.05	8.10	7.35
-ST-CB or CD	30	22.20	16.60	13.30	11.10	9.15	8.20	7.45
-SS2 (Stainless)	30	97.30	77.80	64.20	54.50	48.60	42.80	38.90
-BC (Berylco)	30	48.80	39.00	32.20	27.30	24.40	21.50	19.50
3100-43-ST		21.20	15.80	12.60	10.40	8.60	7.70	7.00
-ST-PA		21.90	16.40	13.10	10.90	8.95	8.00	7.25
-ST-ZB or ZD		22.30	16.70	13.40	11.10	9.15	8.20	7.45
-ST-CB or CD	30	22.50	16.90	13.50	11.20	9.25	8.30	7.55
-SS2 (Stainless)	30	97.80	78.20	64.50	54.70	48.90	43.00	39.10
-BC (Berylco)	30	52.00	41.60	34.30	29.10	26.00	22.90	20.80
3100-46-ST		21.50	16.00	12.80	10.50	8.70	7.80	7.10
-ST-PA		22.20	16.60	13.30	11.00	9.05	8.10	7.35
-ST-ZB or ZD		22.60	16.90	13.60	11.20	9.25	8.30	7.55
-ST-CB or CD	30	22.80	17.10	13.70	11.30	9.35	8.40	7.65
-SS2 (Stainless)	30	98.30	78.60	64.80	55.00	49.10	43.20	39.30
-BC (Berylco)	30	54.80	43.80	36.10	30.70	27.40	24.10	21.90
3100-50-ST		22.00	17.50	14.00	12.00	10.00	8.80	8.00
-ST-PA		23.60	18.70	15.10	12.90	10.80	9.45	8.60
-ST-ZB or ZD		24.10	19.20	15.40	13.20	11.10	9.75	8.80
-ST-CB or CD	28	24.40	19.50	15.60	13.40	11.20	9.85	8.95
-SS2 (Stainless)	28	109.00	86.80	71.60	60.80	54.20	47.70	43.40
-BC (Berylco)	28	80.00	64.00	52.80	44.80	40.00	35.20	32.00
3100-55-ST		23.90	18.70	14.90	12.80	10.90	9.50	8.70
-ST-PA		25.60	20.00	16.00	13.80	11.70	10.20	9.35
-ST-ZB or ZD		26.20	20.50	16.40	14.10	12.00	10.50	9.55
-ST-CB or CD	25	26.50	20.80	16.60	14.30	12.10	10.60	9.70
-SS2 (Stainless)	25	113.00	90.50	74.50	63.40	56.50	49.50	45.00
-BC (Berylco)	25	91.00	72.50	60.00	51.00	45.50	40.00	36.00
3100-56-ST		24.50	18.90	15.10	12.90	11.10	9.70	8.90
-ST-PA		26.20	20.20	16.20	13.90	11.90	10.40	9.55
-ST-ZB or ZD		26.80	20.70	16.60	14.20	12.20	10.70	9.75
-ST-CB or CD	25	27.10	21.00	16.80	14.40	12.30	10.80	9.90
-SS2 (Stainless)	25	115.00	91.50	75.50	64.00	57.00	50.40	45.50
-BC (Berylco)	25	93.00	74.50	61.50	52.00	46.50	41.00	37.00
3100-59-ST		25.70	19.50	15.70	13.40	11.70	10.30	9.30
-ST-PA		27.50	20.90	16.90	14.50	12.60	11.10	10.05
-ST-ZB or ZD		28.10	21.40	17.30	14.80	12.90	11.40	10.25
-ST-CB or CD	25	28.40	21.70	17.50	15.00	13.00	11.50	10.45
-SS2 (Stainless)	25	117.00	93.50	77.30	65.50	58.50	51.50	46.50
-BC (Berylco)	25	99.50	79.50	65.50	55.50	49.50	43.50	39.50

*Less than 100 are available in Packets containing the quantity indicated for each size.

Steel (-ST) with -CD finish -25 thru -343: \$2.00 per Packet.

Stainless Steel (-SS2) -25 thru -315: \$5.00 per Packet.

-325 thru -343: \$6.00 per Packet.

Beryllium Copper (-BC)

-12 thru -46: \$2.00 per Packet.

-50 thru -67: \$4.00 per Packet.

-68 thru -102: \$6.00 per Packet.

-106 thru -315: \$8.00 per Packet.

-325 thru -343: \$9.00 per Packet.

CODE	MATERIAL	CODE	FINISH
ST	Carbon Spring Steel (SAE 1075)	PA	Phosphate Coating
SS2	Stainless Steel (Armco PH 15-7 MO)	ZB	Zinc Plating, Bright
BC	Beryllium Copper (Berylco 25)	ZD	Zinc Plating, Dichromate Dip
		CB	Cadmium Plating, Bright
		CD	Cadmium Plating, Dichromate Dip
STANDARD FINISH: Oil Dip			



**EXTERNAL
SERIES
3100**

BULK NET PRICES PER 1000 RINGS

Sizes 3100-25 through 3100-137 also available stacked. For stacking charges, see Page 46.

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
PACKAGED IN QUANTITIES OF 100 PIECES								
3100-62-ST		26.80	20.20	16.30	13.80	12.20	10.70	9.70
-ST-PA		28.60	21.60	17.50	14.90	13.10	11.50	10.45
-ST-ZB or ZD		29.20	22.10	17.90	15.20	13.40	11.80	10.65
-ST-CB or CD	25	29.50	22.40	18.10	15.40	13.50	11.90	10.85
-SS2 (Stainless)	25	120.00	96.00	79.50	67.50	60.00	53.00	48.00
-BC (Berylco)	25	107.00	85.00	70.00	59.60	53.00	46.50	42.50
3100-66-ST		27.40	21.10	17.00	14.40	12.90	11.30	10.30
-ST-PA		29.50	22.70	18.40	15.60	13.90	12.20	11.20
-ST-ZB or ZD		30.10	23.20	18.80	15.90	14.20	12.50	11.40
-ST-CB or CD	25	30.40	23.50	19.00	16.10	14.40	12.60	11.60
-SS2 (Stainless)	25	124.00	99.00	82.00	69.50	62.00	54.50	49.50
-BC (Berylco)	25	115.00	92.00	76.00	64.50	57.50	50.50	46.00
3100-67-ST		27.40	21.10	17.00	14.40	12.90	11.30	10.30
-ST-PA		29.50	22.70	18.40	15.60	13.90	12.20	11.20
-ST-ZB or ZD		30.10	23.20	18.80	15.90	14.20	12.50	11.40
-ST-CB or CD	25	30.40	23.50	19.00	16.10	14.40	12.60	11.60
-SS2 (Stainless)	25	124.00	99.00	82.00	69.50	62.00	54.50	49.50
-BC (Berylco)	25	115.00	92.00	76.00	64.50	57.50	50.50	46.00
3100-68-ST		28.30	21.80	17.40	15.30	13.60	12.00	10.90
-ST-PA		31.80	24.60	19.70	17.30	15.30	13.50	12.30
-ST-ZB or ZD		32.90	25.60	20.50	17.90	15.90	14.00	12.80
-ST-CB or CD	20	33.40	26.10	20.90	18.20	16.10	14.30	13.10
-SS2 (Stainless)	20	130.00	105.00	86.00	73.00	65.00	57.00	52.00
-BC (Berylco)	20	132.00	106.00	87.00	74.00	66.00	58.00	52.50
3100-75-ST		29.40	23.10	18.60	16.40	14.10	12.40	11.30
-ST-PA		33.20	26.10	21.10	18.60	16.00	14.10	12.80
-ST-ZB or ZD		34.30	27.10	21.90	19.20	16.60	14.60	13.30
-ST-CB or CD	20	34.90	27.60	22.30	19.50	16.80	14.90	13.60
-SS2 (Stainless)	20	144.00	115.00	94.50	80.50	71.50	63.00	57.00
-BC (Berylco)	20	159.00	127.00	105.00	88.50	79.00	69.50	63.00
3100-78-ST		30.50	23.50	19.00	16.90	14.80	13.00	11.80
-ST-PA		34.30	26.50	21.50	19.10	16.70	14.70	13.30
-ST-ZB or ZD		35.40	27.50	22.30	19.70	17.30	15.20	13.80
-ST-CB or CD	16	36.00	28.00	22.70	20.00	17.50	15.50	14.10
-SS2 (Stainless)	16	150.00	120.00	99.00	84.00	75.00	66.00	60.00
-BC (Berylco)	16	170.00	136.00	112.00	95.00	85.00	74.50	68.00
3100-81-ST		31.50	24.20	19.50	17.40	15.30	13.40	12.20
-ST-PA		35.50	27.40	22.10	19.70	17.30	15.20	13.80
-ST-ZB or ZD		36.60	28.40	22.90	20.30	17.90	15.70	14.30
-ST-CB or CD	16	37.20	28.90	23.30	20.60	18.20	16.00	14.60
-SS2 (Stainless)	16	157.00	125.00	103.00	87.00	78.00	68.00	62.00
-BC (Berylco)	16	180.00	145.00	120.00	102.00	90.00	79.50	72.00
3100-84-ST		33.00	24.90	20.10	18.00	15.90	14.00	12.80
-ST-PA		37.00	28.10	22.70	20.30	17.90	15.80	14.40
-ST-ZB or ZD		38.10	29.10	23.50	20.90	18.50	16.30	14.90
-ST-CB or CD	16	38.70	29.60	23.90	21.20	18.80	16.60	15.20
-SS2 (Stainless)	16	160.00	127.00	105.00	88.00	79.00	70.00	63.00
-BC (Berylco)	16	192.00	154.00	127.00	108.00	96.00	84.00	77.00

* Less than 100 are available in Packets containing the quantity indicated for each size.

Steel (-ST) with -CD finish -25 thru -343: \$2.00 per Packet.

Stainless Steel (-SS2) -25 thru -315: \$5.00 per Packet.

-325 thru -343: \$6.00 per Packet.

Beryllium Copper (-BC) -12 thru -46: \$2.00 per Packet.

-50 thru -67: \$4.00 per Packet.

-68 thru -102: \$6.00 per Packet.

-106 thru -315: \$8.00 per Packet.

-325 thru -343: \$9.00 per Packet.

BULK NET PRICES PER 1000 RINGS

Sizes 3100-25 through 3100-137 also available stacked. For stacking charges, see Page 46.

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
3100-87-ST		34.30	25.30	20.70	18.40	16.30	14.40	13.20
-ST-PA		38.30	28.50	23.30	20.70	18.30	16.20	14.80
-ST-ZB or ZD		39.40	29.50	24.10	21.30	18.90	16.70	15.30
-ST-CB or CD	16	40.00	30.00	24.50	21.60	19.20	17.00	15.60
-SS2 (Stainless)	16	162.00	129.00	107.00	90.00	80.00	71.00	64.00
-BC (Berylco)	16	204.00	163.00	134.00	114.00	102.00	89.00	81.00
3100-93-ST		36.00	26.20	21.50	19.20	18.00	15.80	14.40
-ST-PA		40.30	29.40	24.30	21.60	20.10	17.70	16.10
-ST-ZB or ZD		41.40	30.40	25.10	22.30	20.70	18.20	16.60
-ST-CB or CD	14	42.10	30.90	25.60	22.60	21.00	18.50	16.90
-SS2 (Stainless)	14	174.00	139.00	115.00	97.00	86.00	76.00	69.00
-BC (Berylco)	14	227.00	181.00	149.00	127.00	113.00	99.00	90.00
3100-98 -ST		38.00	27.30	22.50	20.20	18.90	16.70	15.20
-ST-PA		42.30	30.70	25.30	22.60	21.00	18.60	16.90
-ST-ZB or ZD		43.40	31.70	26.10	23.30	21.60	19.10	17.40
-ST-CB or CD	14	44.10	32.20	26.60	23.60	21.90	19.40	17.70
-SS2 (Stainless)	14	184.00	147.00	121.00	103.00	91.00	80.00	73.00
-BC (Berylco)	14	245.00	195.00	162.00	137.00	123.00	108.00	98.00
3100-100-ST		38.80	27.60	22.80	20.50	19.30	17.00	15.50
-ST-PA		43.30	31.20	25.80	23.10	21.50	19.00	17.30
-ST-ZB or ZD		44.50	32.20	26.60	23.70	22.10	19.50	17.80
-ST-CB or CD	12	45.10	32.70	27.00	24.10	22.40	19.80	18.10
-SS2 (Stainless)	12	186.00	149.00	122.00	104.00	92.00	81.00	74.00
-BC (Berylco)	12	253.00	202.00	167.00	141.00	126.00	111.00	101.00
3100-102-ST		40.00	28.00	23.20	20.80	19.60	17.30	15.80
-ST-PA		44.50	31.60	26.20	23.40	21.80	19.30	17.60
-ST-ZB or ZD		45.70	32.60	27.00	24.00	22.40	19.80	18.10
-ST-CB or CD	12	46.30	33.10	27.40	24.40	22.70	20.10	18.40
-SS2 (Stainless)	12	189.00	151.00	125.00	106.00	94.00	83.00	75.00
-BC (Berylco)	12	260.00	208.00	172.00	146.00	130.00	114.00	104.00
3100-106-ST		42.10	30.10	24.90	22.40	20.60	18.90	17.20
-ST-PA		50.40	36.70	30.30	27.00	24.70	22.50	20.50
-ST-ZB or ZD		52.70	38.60	31.90	28.30	25.90	23.60	21.50
-ST-CB or CD	12	53.90	39.70	32.80	28.90	26.40	24.20	22.00
-SS2 (Stainless)	12	248.00	198.00	163.00	139.00	124.00	109.00	99.00
-BC (Berylco)	12	328.00	262.00	216.00	183.00	164.00	144.00	131.00
3100-112-ST		47.00	33.60	27.80	25.00	23.00	21.10	19.20
-ST-PA		55.80	40.60	33.60	29.90	27.30	24.90	22.70
-ST-ZB or ZD		58.10	42.50	35.20	31.20	28.50	26.00	23.70
-ST-CB or CD	12	59.40	43.60	36.10	31.90	29.10	26.60	24.30
-SS2 (Stainless)	12	263.00	210.00	170.00	145.00	130.00	115.00	105.00
-BC (Berylco)	12	360.00	288.00	231.00	197.00	177.00	158.00	144.00
3100-118-ST		49.00	35.00	29.00	26.00	24.00	22.00	20.00
-ST-PA		58.10	42.30	34.90	31.10	28.40	25.90	23.60
-ST-ZB or ZD		60.40	44.20	36.50	32.40	29.60	27.00	24.60
-ST-CB or CD	10	61.70	45.30	37.40	33.10	30.20	27.60	25.20
-SS2 (Stainless)	10	278.00	222.00	177.00	151.00	136.00	122.00	111.00
-BC (Berylco)	10	390.00	312.00	245.00	210.00	190.00	172.00	156.00
3100-125-ST		51.00	36.40	30.20	27.00	25.00	22.90	20.80
-ST-PA		60.30	43.80	36.30	32.20	29.50	26.90	24.50
-ST-ZB or ZD		62.60	45.70	37.90	33.50	30.70	28.00	25.50
-ST-CB or CD	8	63.90	46.80	38.80	34.30	31.30	28.60	26.10
-SS2 (Stainless)	8	195.00	235.00	184.00	157.00	142.00	130.00	118.00
-BC (Berylco)	8	420.00	336.00	264.00	226.00	205.00	185.00	168.00
3100-131-ST		52.70	37.50	31.20	28.00	25.80	23.60	21.50
-ST-PA		62.50	45.30	37.60	33.50	30.60	27.90	25.40
-ST-ZB or ZD		64.80	47.30	39.20	34.80	31.80	29.00	26.50
-ST-CB or CD	8	66.10	48.40	40.10	35.60	32.40	29.60	27.10
-SS2 (Stainless)	8	308.00	245.00	190.00	163.00	148.00	135.00	123.00
-BC (Berylco)	8	455.00	364.00	279.00	239.00	219.00	200.00	182.00

PACKAGED IN QUANTITIES OF 100 PIECES

CODE	MATERIAL	CODE	FINISH
ST	Carbon Spring Steel (SAE 1075)	PA	Phosphate Coating
SS2	Stainless Steel (Armco PH 15-7 MO)	ZB	Zinc Plating, Bright
BC	Beryllium Copper (Berylco 25)	ZD	Zinc Plating, Dichromate Dip
		CB	Cadmium Plating, Bright
		CD	Cadmium Plating, Dichromate Dip

STANDARD FINISH: Oil Dip



EXTERNAL
SERIES
3100

BULK NET PRICES PER 1000 RINGS

Sizes 3100-25 through 3100-137 also available stacked. For stacking charges, see Page 46.

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
3100-137-ST		54.90	39.20	32.50	29.10	26.90	24.60	22.40
-ST-PA		65.00	47.20	39.00	34.70	31.80	29.00	26.40
-ST-ZB or ZD		67.30	49.20	40.60	36.00	33.10	30.10	27.50
-ST-CB or CD	8	68.70	50.40	41.50	36.80	33.70	30.80	28.10
-SS2 (Stainless)	8	323.00	258.00	197.00	170.00	155.00	142.00	129.00
-BC (Berylco)	8	485.00	388.00	294.00	253.00	232.00	213.00	194.00
3100-143-ST		56.60	40.40	33.50	30.00	27.70	25.40	23.00
-ST-PA		66.90	48.60	40.30	35.80	32.70	29.90	27.10
-ST-ZB or ZD		69.20	50.60	41.90	37.10	34.00	31.00	28.20
-ST-CB or CD	8	70.60	51.80	42.90	37.90	34.60	31.70	28.80
-SS2 (Stainless)	8	335.00	268.00	204.00	176.00	161.00	147.00	134.00
-BC (Berylco)	8	515.00	412.00	309.00	266.00	245.00	227.00	205.00
3100-150-ST		64.50	46.00	38.00	34.00	31.50	29.00	26.00
-ST-PA		65.10	54.40	44.90	39.90	36.70	33.60	30.20
-ST-ZB or ZD		67.40	56.40	46.60	41.30	38.00	34.70	31.30
-ST-CB or CD	8	68.90	57.60	47.60	42.10	38.70	35.40	31.90
-SS2 (Stainless)	8	353.00	282.00	210.00	183.00	169.00	155.00	140.00
-BC (Berylco)	8	543.00	434.00	326.00	282.00	260.00	239.00	215.00
3100-156-ST		81.00	58.00	48.00	43.00	39.50	36.50	33.00
-ST-PA		97.20	71.00	58.30	51.90	47.50	43.90	39.80
-ST-ZB or ZD		101.20	74.00	61.20	54.10	49.70	46.10	41.50
-ST-CB or CD	6	103.20	76.20	63.00	55.50	50.80	47.20	42.60
-SS2 (Stainless)	6	470.00	380.00	300.00	260.00	240.00	220.00	200.00
-BC (Berylco)	6	705.00	535.00	423.00	365.00	335.00	310.00	280.00
3100-162-ST		85.50	61.00	50.50	45.50	42.00	38.50	35.00
-ST-PA		101.70	74.00	60.80	54.40	50.00	45.90	41.80
-ST-ZB or ZD		105.70	77.00	63.70	56.60	52.20	48.10	43.50
-ST-CB or CD	6	108.70	79.20	65.50	58.00	53.30	49.20	44.60
-SS2 (Stainless)	6	503.00	407.00	320.00	278.00	257.00	235.00	214.00
-BC (Berylco)	6	760.00	575.00	455.00	395.00	365.00	334.00	304.00
3100-168-ST		90.00	64.00	53.00	47.50	44.00	40.00	36.50
-ST-PA		107.70	77.60	63.70	56.80	52.40	47.70	43.60
-ST-ZB or ZD		110.70	80.60	66.60	59.00	54.60	49.90	45.30
-ST-CB or CD	6	113.70	82.80	68.40	60.40	55.80	51.10	46.40
-SS2 (Stainless)	6	535.00	433.00	342.00	295.00	274.00	250.00	228.00
-BC (Berylco)	6	815.00	619.00	489.00	424.00	390.00	359.00	325.00
3100-175-ST		95.00	68.00	56.00	50.00	46.50	42.50	38.50
-ST-PA		112.70	82.60	66.90	59.90	55.40	50.80	46.10
-ST-ZB or ZD		116.70	85.60	69.80	62.10	57.60	52.60	47.80
-ST-CB or CD	4	119.70	88.00	71.70	63.70	58.90	53.90	49.10
-SS2 (Stainless)	4	569.00	460.00	363.00	315.00	290.00	265.00	240.00
-BC (Berylco)	4	870.00	660.00	520.00	450.00	415.00	380.00	345.00
3100-177-ST		96.50	69.00	57.00	51.00	47.00	43.00	39.00
-ST-PA		115.00	83.60	68.40	60.90	55.90	51.30	46.60
-ST-ZB or ZD		118.00	86.60	71.30	63.10	58.10	53.10	48.30
-ST-CB or CD	4	121.00	89.00	73.20	64.70	59.40	54.40	49.60
-SS2 (Stainless)	4	583.00	470.00	370.00	322.00	298.00	273.00	248.00
-BC (Berylco)	4	885.00	675.00	530.00	460.00	425.00	390.00	355.00

* Less than 100 are available in Packets containing the quantity indicated for each size.

Steel (-ST) with -CD finish -25 thru -343: \$2.00 per Packet.

Stainless Steel (-SS2) -25 thru -315: \$5.00 per Packet.

-325 thru -343: \$6.00 per Packet.

Beryllium Copper (-BC) -12 thru -46: \$2.00 per Packet.

-50 thru -67: \$4.00 per Packet.

-68 thru -102: \$6.00 per Packet.

-106 thru -315: \$8.00 per Packet.

-325 thru -343: \$9.00 per Packet.

BULK NET PRICES PER 1000 RINGS

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
3100-181-ST		99.00	71.00	58.50	52.50	48.50	44.50	40.50
-ST-PA		118.00	86.30	70.50	62.90	57.90	53.20	48.50
-ST-ZB or ZD		122.00	89.70	73.40	65.30	60.10	55.30	50.40
-ST-CB or CD	4	124.00	92.20	75.40	67.00	61.40	56.60	51.70
-SS2 (Stainless)	4	598.00	484.00	380.00	330.00	305.00	280.00	255.00
-BC (Berylco)	4	925.00	705.00	555.00	480.00	445.00	405.00	370.00
3100-187-ST		104.00	74.00	61.50	55.00	50.50	46.50	42.00
-ST-PA		124.00	89.30	73.50	65.40	59.90	55.20	50.00
-ST-ZB or ZD		127.00	92.70	76.40	67.80	62.10	57.30	51.90
-ST-CB or CD	4	130.00	95.20	78.40	69.50	63.40	58.60	53.20
-SS2 (Stainless)	4	635.00	513.00	405.00	350.00	324.00	295.00	270.00
-BC (Berylco)	4	980.00	745.00	590.00	510.00	470.00	430.00	390.00
3100-196-ST		110.00	78.50	65.00	58.50	54.00	49.50	45.00
-ST-PA		131.00	94.80	77.80	69.50	64.00	58.80	53.50
-ST-ZB or ZD		135.00	98.40	80.80	72.10	66.30	60.90	55.50
-ST-CB or CD	4	138.00	100.90	82.90	73.80	67.70	62.30	56.90
-SS2 (Stainless)	4	675.00	549.00	433.00	364.00	345.00	315.00	285.00
-BC (Berylco)	4	1050.00	800.00	630.00	545.00	505.00	460.00	420.00
3100-200-ST		113.00	80.50	67.00	60.00	55.00	50.50	46.00
-ST-PA		135.00	97.70	80.60	71.70	65.60	60.30	55.00
-ST-ZB or ZD		139.00	101.60	83.60	74.30	68.00	62.40	57.10
-ST-CB or CD	4	142.00	104.60	85.80	76.10	69.40	63.80	58.50
-SS2 (Stainless)	4	695.00	564.00	445.00	385.00	355.00	325.00	295.00
-BC (Berylco)	4	1090.00	825.00	650.00	565.00	520.00	480.00	435.00
3100-206-ST		155.00	125.00	99.00	88.00	81.00	73.00	72.00
-ST-PA		180.00	145.00	115.00	101.40	93.50	84.50	83.50
-ST-ZB or ZD		186.00	150.00	118.00	104.40	96.80	87.60	86.60
-ST-CB or CD	2	190.00	153.00	120.00	106.40	98.70	89.50	88.50
-SS2 (Stainless)	2	990.00	735.00	570.00	505.00	464.00	420.00	410.00
-BC (Berylco)	2	1330.00	990.00	765.00	680.00	620.00	565.00	550.00
3100-212-ST		165.00	135.00	104.00	92.00	84.00	76.00	75.00
-ST-PA		191.00	155.00	120.00	106.70	97.10	88.00	87.00
-ST-ZB or ZD		198.00	160.00	124.00	109.70	100.40	91.40	90.40
-ST-CB or CD	2	202.00	163.00	126.00	111.70	102.40	93.40	92.50
-SS2 (Stainless)	2	1040.00	775.00	598.00	530.00	485.00	440.00	430.00
-BC (Berylco)	2	1410.00	1050.00	810.00	720.00	660.00	600.00	585.00
3100-215-ST		168.00	137.00	106.00	94.00	86.00	78.00	76.00
-ST-PA		194.00	158.00	123.00	109.00	99.30	90.20	88.70
-ST-ZB or ZD		201.00	163.00	127.00	112.00	102.90	93.60	92.10
-ST-CB or CD	2	206.00	166.00	129.00	114.00	104.90	95.60	94.20
-SS2 (Stainless)	2	1060.00	790.00	610.00	544.00	495.00	450.00	440.00
-BC (Berylco)	2	1445.00	1080.00	830.00	735.00	675.00	615.00	600.00
3100-225-ST		175.00	145.00	112.00	100.00	91.00	82.00	81.00
-ST-PA		202.00	168.00	129.00	115.00	104.80	94.70	93.70
-ST-ZB or ZD		209.00	173.00	134.00	118.00	108.80	98.10	97.10
-ST-CB or CD	2	214.00	176.00	136.00	120.00	110.80	100.10	99.20
-SS2 (Stainless)	2	1140.00	850.00	655.00	580.00	535.00	485.00	474.00
-BC (Berylco)	2	1570.00	1160.00	900.00	800.00	735.00	665.00	650.00
3100-231-ST		185.00	150.00	116.00	103.00	94.00	85.00	84.00
-ST-PA		212.00	173.00	133.00	119.00	108.50	97.90	96.90
-ST-ZB or ZD		220.00	178.00	138.00	122.00	112.50	101.30	100.80
-ST-CB or CD	2	224.00	181.00	141.00	124.00	114.50	103.30	102.90
-SS2 (Stainless)	2	1190.00	885.00	680.00	605.00	555.00	505.00	494.00
-BC (Berylco)	2	1640.00	1220.00	945.00	840.00	770.00	700.00	680.00
3100-237-ST		190.00	155.00	120.00	107.00	97.00	88.00	87.00
-ST-PA		219.00	179.00	138.00	123.00	112.20	101.00	100.00
-ST-ZB or ZD		227.00	184.00	143.00	127.00	115.20	105.00	104.00
-ST-CB or CD	2	232.00	188.00	146.00	130.00	118.20	108.00	107.00
-SS2 (Stainless)	2	1235.00	920.00	710.00	630.00	580.00	525.00	514.00
-BC (Berylco)	2	1720.00	1280.00	985.00	875.00	805.00	730.00	710.00

*Less than 100 are available in Packets containing the quantity indicated for each size.

Steel (-ST) with -CD finish -25 thru -343: \$2.00 per Packet.

Stainless Steel (-SS2) -25 thru -315: \$5.00 per Packet.

-325 thru -343: \$6.00 per Packet.

Beryllium Copper (-BC) -12 thru -46: \$2.00 per Packet.

-50 thru -67: \$4.00 per Packet.

-68 thru -102: \$6.00 per Packet.

-106 thru -315: \$8.00 per Packet.

-325 thru -343: \$9.00 per Packet.

CODE	MATERIAL	CODE	FINISH
ST	Carbon Spring Steel (SAE 1075)	PA	Phosphate Coating
SS2	Stainless Steel (Armco PH 15-7 MO)	ZB	Zinc Plating, Bright
BC	Beryllium Copper (Berylco 25)	ZD	Zinc Plating, Dichromate Dip
		CB	Cadmium Plating, Bright
		CD	Cadmium Plating, Dichromate Dip
STANDARD Finish: Oil Dip			



EXTERNAL
SERIES
3100

BULK NET PRICES PER 1000 RINGS

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
3100-243-ST		195.00	160.00	124.00	110.00	100.00	91.00	90.00
-ST-PA		225.00	184.00	142.00	126.00	116.00	105.00	103.00
-ST-ZB or ZD		233.00	190.00	147.00	131.00	120.00	109.00	107.00
-ST-CB or CD	2	238.00	194.00	150.00	134.00	123.00	111.00	110.00
-SS2 (Stainless)	2	1285.00	955.00	735.00	655.00	600.00	545.00	530.00
-BC (Berylco)	2	1790.00	1330.00	1030.00	915.00	835.00	760.00	740.00
3100-250-ST		205.00	165.00	128.00	114.00	104.00	94.00	93.00
-ST-PA		235.00	189.00	146.00	131.00	120.00	108.00	107.00
-ST-ZB or ZD		243.00	195.00	151.00	136.00	124.00	112.00	111.00
-ST-CB or CD	2	248.00	199.00	154.00	139.00	127.00	116.00	114.00
-SS2 (Stainless)	2	1340.00	1000.00	770.00	685.00	629.00	570.00	558.00
-BC (Berylco)	2	1880.00	1400.00	1080.00	960.00	880.00	800.00	780.00
3100-255-ST		210.00	170.00	132.00	117.00	107.00	97.00	95.00
-ST-PA		243.00	197.00	153.00	135.00	124.00	113.00	111.00
-ST-ZB or ZD		251.00	203.00	158.00	140.00	128.00	117.00	115.00
-ST-CB or CD	2	257.00	207.00	161.00	143.00	131.00	119.00	118.00
-SS2 (Stainless)	2	1380.00	1030.00	795.00	705.00	645.00	585.00	574.00
-BC (Berylco)	2	1940.00	1440.00	1110.00	990.00	910.00	825.00	805.00
3100-262-ST		215.00	175.00	135.00	120.00	110.00	100.00	98.00
-ST-PA		249.00	203.00	157.00	139.00	128.00	116.00	114.00
-ST-ZB or ZD		258.00	210.00	162.00	144.00	132.00	120.00	118.00
-ST-CB or CD	2	264.00	214.00	166.00	147.00	135.00	122.00	121.00
-SS2 (Stainless)	2	1435.00	1070.00	825.00	734.00	673.00	612.00	595.00
-BC (Berylco)	2	2030.00	1510.00	1160.00	1030.00	950.00	865.00	840.00
3100-268-ST		225.00	182.00	140.00	125.00	114.00	104.00	102.00
-ST-PA		260.00	211.00	163.00	145.00	133.00	121.00	119.00
-ST-ZB or ZD		270.00	218.00	168.00	150.00	137.00	125.00	123.00
-ST-CB or CD	2	276.00	222.00	172.00	153.00	140.00	128.00	126.00
-SS2 (Stainless)	2	1480.00	1100.00	854.00	760.00	695.00	633.00	615.00
-BC (Berylco)	2	2100.00	1560.00	1200.00	1070.00	980.00	895.00	870.00
3100-275-ST		290.00	235.00	180.00	160.00	150.00	135.00	130.00
-ST-PA		337.00	272.00	210.00	187.00	174.00	157.00	150.00
-ST-ZB or ZD		347.00	282.00	217.00	192.00	180.00	162.00	155.00
-ST-CB or CD	2	353.00	287.00	221.00	196.00	183.00	166.00	159.00
-SS2 (Stainless)	1	1850.00	1510.00	1160.00	1035.00	950.00	864.00	840.00
-BC (Berylco)	1	2270.00	1850.00	1430.00	1270.00	1160.00	1060.00	1030.00
3100-287-ST		310.00	255.00	195.00	175.00	160.00	145.00	140.00
-ST-PA		358.00	293.00	225.00	203.00	185.00	168.00	163.00
-ST-ZB or ZD		371.00	303.00	233.00	209.00	191.00	174.00	169.00
-ST-CB or CD	2	378.00	309.00	238.00	213.00	195.00	178.00	173.00
-SS2 (Stainless)	1	1990.00	1620.00	1250.00	1110.00	1020.00	925.00	905.00
-BC (Berylco)	1	2460.00	2000.00	1540.00	1370.00	1260.00	1140.00	1110.00
3100-293-ST		320.00	260.00	200.00	180.00	165.00	150.00	145.00
-ST-PA		372.00	303.00	233.00	210.00	192.00	175.00	170.00
-ST-ZB or ZD		386.00	313.00	241.00	217.00	199.00	181.00	176.00
-ST-CB or CD	2	394.00	319.00	246.00	221.00	203.00	185.00	180.00
-SS2 (Stainless)	1	2060.00	1670.00	1290.00	1150.00	1050.00	955.00	930.00
-BC (Berylco)	1	2550.00	2080.00	1600.00	1420.00	1300.00	1180.00	1160.00

* Less than 100 are available in Packets containing the quantity indicated for each size.

Steel (-ST) with -CD finish -25 thru -343: \$2.00 per Packet.

Stainless Steel (-SS2) -25 thru -315: \$5.00 per Packet.

-325 thru -343: \$6.00 per Packet.

Beryllium Copper (-BC) -12 thru -46: \$2.00 per Packet.

-50 thru -67: \$4.00 per Packet.

-68 thru -102: \$6.00 per Packet.

-106 thru -315: \$8.00 per Packet.

-325 thru -343: \$9.00 per Packet.

BULK NET PRICES PER 1000 RINGS

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
3100-300-ST		330.00	270.00	205.00	185.00	170.00	155.00	150.00
-ST-PA		383.00	313.00	239.00	215.00	197.00	180.00	175.00
-ST-ZB or ZD		397.00	324.00	247.00	222.00	204.00	186.00	181.00
-ST-CB or CD	2	405.00	330.00	252.00	227.00	208.00	190.00	186.00
-SS2 (Stainless)	1	2140.00	1740.00	1340.00	1190.00	1095.00	995.00	970.00
-BC (Berylco)	1	2640.00	2150.00	1660.00	1470.00	1550.00	1230.00	1200.00
3100-306-ST		360.00	290.00	225.00	200.00	185.00	165.00	160.00
-ST-PA		418.00	337.00	262.00	233.00	214.00	192.00	187.00
-ST-ZB or ZD		454.00	366.00	284.00	253.00	233.00	209.00	204.00
-ST-CB or CD	2	463.00	373.00	289.00	258.00	237.00	213.00	209.00
-SS2 (Stainless)	1	2200.00	1190.00	1380.00	1230.00	1130.00	1020.00	1000.00
-BC (Berylco)	1	2740.00	2230.00	1720.00	1520.00	1400.00	1270.00	1240.00
3100-312-ST		370.00	300.00	230.00	205.00	190.00	170.00	165.00
-ST-PA		430.00	348.00	268.00	239.00	221.00	198.00	193.00
-ST-ZB or ZD		473.00	383.00	295.00	262.00	243.00	218.00	213.00
-ST-CB or CD	2	483.00	390.00	300.00	267.00	247.00	223.00	218.00
-SS2 (Stainless)	1	2270.00	1850.00	1420.00	1210.00	1160.00	1050.00	1030.00
-BC (Berylco)	1	2830.00	2300.00	1770.00	1580.00	1440.00	1310.00	1280.00
3100-315-ST		375.00	305.00	235.00	209.00	192.00	172.00	166.00
-ST-PA		437.00	354.00	274.00	244.00	224.00	201.00	195.00
-ST-ZB or ZD		484.00	392.00	303.00	269.00	248.00	223.00	217.00
-ST-CB or CD	2	494.00	399.00	309.00	274.00	252.00	228.00	222.00
-SS2 (Stainless)	1	2300.00	1870.00	1440.00	1290.00	1180.00	1070.00	1040.00
-BC (Berylco)	1	2870.00	2340.00	1800.00	1600.00	1470.00	1330.00	1300.00
3100-325-ST		390.00	320.00	245.00	220.00	200.00	180.00	175.00
-ST-PA		454.00	372.00	286.00	257.00	233.00	210.00	205.00
-ST-ZB or ZD		501.00	410.00	315.00	282.00	257.00	232.00	227.00
-ST-CB or CD	2	511.00	417.00	321.00	288.00	262.00	237.00	232.00
-SS2 (Stainless)	1	2420.00	1970.00	1520.00	1350.00	1240.00	1120.00	1090.00
-BC (Berylco)	1	3010.00	2450.00	1890.00	1680.00	1540.00	1400.00	1360.00
3100-334-ST		405.00	330.00	255.00	225.00	210.00	190.00	185.00
-ST-PA		471.00	382.00	297.00	263.00	244.00	221.00	216.00
-ST-ZB or ZD		518.00	420.00	326.00	288.00	268.00	243.00	238.00
-ST-CB or CD	2	528.00	427.00	332.00	294.00	273.00	248.00	243.00
-SS2 (Stainless)	1	2520.00	2050.00	1580.00	1410.00	1290.00	1170.00	1140.00
-BC (Berylco)	1	3150.00	2560.00	1980.00	1760.00	1610.00	1460.00	1430.00
3100-343-ST		420.00	340.00	265.00	235.00	215.00	195.00	190.00
-ST-PA		487.00	392.00	307.00	273.00	250.00	227.00	222.00
-ST-ZB or ZD		538.00	435.00	339.00	301.00	275.00	250.00	245.00
-ST-CB or CD	2	549.00	443.00	346.00	307.00	281.00	256.00	251.00
-SS2 (Stainless)	1	2620.00	2130.00	1650.00	1460.00	1340.00	1220.00	1190.00
-BC (Berylco)	1	3290.00	2670.00	2060.00	1830.00	1680.00	1530.00	1490.00

PACKAGED IN QUANTITIES OF 100 PIECES

*Less than 100 are available in Packets containing the quantity indicated for each size.

Steel (-ST) with -CD finish -25 thru -343: \$2.00 per Packet.

Stainless Steel (-SS2) -25 thru -315: \$5.00 per Packet.

-325 thru -343: \$6.00 per Packet.

Beryllium Copper (-BC)

-12 thru -46: \$2.00 per Packet.

-50 thru -67: \$4.00 per Packet.

-68 thru -102: \$6.00 per Packet.

-106 thru -315: \$8.00 per Packet.

-325 thru -343: \$9.00 per Packet.

CODE	MATERIAL	CODE	FINISH
ST	Carbon Spring Steel (SAE 1075)	PA	Phosphate Coating
SS2	Stainless Steel (Armco PH 15-7 MO)	ZB	Zinc Plating, Bright
BC	Beryllium Copper (Berylco 25)	ZD	Zinc Plating, Dichromate Dip
		CB	Cadmium Plating, Bright
		CD	Cadmium Plating, Dichromate Dip
STANDARD FINISH: Oil Dip			



EXTERNAL
SERIES
3101

BULK NET PRICES PER 1000 RINGS

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
3101-25-ST		22.20	16.50	13.30	11.10	9.20	8.10	7.40
-ST-PA		22.90	17.10	13.80	11.55	9.55	8.40	7.65
-ST-ZB or ZD		23.30	17.40	14.10	11.75	9.75	8.60	7.85
-ST-CB or CD	30	23.50	17.60	14.20	11.85	9.85	8.70	7.95
-SS2 (Stainless)	30	111.00	90.00	74.30	63.00	56.30	49.40	45.00
-BC (Berylco)	30	39.50	31.50	26.00	22.00	19.50	17.40	15.50
3101-27-ST		22.60	16.90	13.60	11.30	9.30	8.20	7.50
-ST-PA		23.30	17.50	14.10	11.75	9.65	8.50	7.75
-ST-ZB or ZD		23.70	17.80	14.40	11.95	9.85	8.70	7.95
-ST-CB or CD	30	23.90	18.00	14.50	12.05	9.95	8.80	8.05
-SS2 (Stainless)	30	112.00	90.20	74.40	63.10	56.40	49.50	45.10
-BC (Berylco)	30	42.40	33.50	28.00	23.50	21.00	18.50	16.50
3101-28-ST		22.70	17.00	13.70	11.40	9.40	8.30	7.60
-ST-PA		23.40	17.60	14.20	11.85	9.75	8.60	7.85
-ST-ZB or ZD		23.80	17.90	14.50	12.05	9.95	8.80	8.05
-ST-CB or CD	30	24.00	18.10	14.60	12.15	10.05	8.90	8.15
-SS2 (Stainless)	30	113.00	90.50	74.60	63.30	56.50	49.60	45.20
-BC (Berylco)	30	43.60	34.50	28.50	24.00	21.50	19.00	17.00
3101-31-ST		23.00	17.30	13.80	11.50	9.50	8.40	7.70
-ST-PA		23.70	17.90	14.30	12.00	9.85	8.70	7.95
-ST-ZB or ZD		24.10	18.20	14.60	12.20	10.05	8.90	8.15
-ST-CB or CD	30	24.30	18.40	14.70	12.30	10.15	9.00	8.25
-SS2 (Stainless)	30	114.00	91.00	75.20	63.80	57.00	50.20	45.60
-BC (Berylco)	30	47.00	37.50	31.00	26.00	23.50	20.50	18.50
3101-34-ST		23.40	17.50	14.00	11.70	9.70	8.50	7.80
-ST-PA		24.10	18.10	14.50	12.15	10.05	8.80	8.05
-ST-ZB or ZD		24.50	18.40	14.80	12.35	10.25	9.00	8.25
-ST-CB or CD	30	24.70	18.60	14.90	12.45	10.35	9.10	8.35
-SS2 (Stainless)	30	115.00	91.70	75.60	64.20	57.20	50.40	45.80
-BC (Berylco)	30	50.50	40.50	33.50	28.00	25.00	22.00	20.00
3101-35-ST		23.80	17.90	14.30	11.90	9.80	8.60	7.90
-ST-PA		24.25	18.50	14.80	12.40	10.15	8.90	8.15
-ST-ZB or ZD		24.90	18.80	15.10	12.60	10.35	9.10	8.35
-ST-CB or CD	30	25.10	19.00	15.20	12.70	10.45	9.20	8.45
-SS2 (Stainless)	30	116.00	91.90	75.80	64.30	57.50	50.50	46.00
-BC (Berylco)	30	53.00	41.50	34.50	29.00	26.00	22.50	20.50
3101-37-ST		24.00	18.00	14.40	12.00	9.90	8.70	8.00
-ST-PA		24.70	18.60	14.90	12.50	10.25	9.00	8.25
-ST-ZB or ZD		25.10	18.90	15.20	12.70	10.45	9.20	8.45
-ST-CB or CD	30	25.30	19.10	15.30	12.80	10.55	9.30	8.55
-SS2 (Stainless)	30	117.00	92.20	76.10	64.60	57.60	50.60	46.10
-BC (Berylco)	30	55.00	43.50	36.00	30.50	27.50	24.00	22.00
3101-39-ST		24.70	18.50	14.80	12.40	10.20	9.00	8.20
-ST-PA		25.40	19.10	15.30	12.90	10.55	9.30	8.45
-ST-ZB or ZD		25.80	19.40	15.60	13.10	10.75	9.50	8.65
-ST-CB or CD	30	26.00	19.60	15.70	13.20	10.85	9.60	8.75
-SS2 (Stainless)	30	118.00	93.10	76.80	65.20	58.20	51.20	46.60
-BC (Berylco)	30	57.00	45.50	37.50	31.50	28.50	25.00	22.50

PACKAGED IN QUANTITIES OF 100 PIECES

*Less than 100 are available in Packets containing the quantity indicated for each size.

Steel (-ST) with -CD finish -25 thru -150: \$2.00 per Packet.
Stainless Steel (-SS2) -25 thru -150: \$5.00 per Packet.

Beryllium Copper (-BC) -25 thru -46: \$2.00 per Packet.
-50 thru -67: \$4.00 per Packet.
-68 thru -102: \$6.00 per Packet.
-106 thru -150: \$8.00 per Packet.

BULK NET PRICES PER 1000 RINGS

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
3101-40-ST		25.00	18.70	15.00	12.50	10.40	9.20	8.30
-ST-PA		25.70	19.30	15.50	13.00	10.75	9.50	8.55
-ST-ZB or ZD		26.10	19.60	15.80	13.20	10.95	9.70	8.75
-ST-CB or CD	30	26.30	19.80	15.90	13.30	11.05	9.80	8.85
-SS2 (Stainless)	30	119.00	93.40	77.00	65.40	58.30	51.40	46.70
-BC (Berylco)	30	58.50	46.50	38.50	32.50	29.00	25.50	23.00
3101-43-ST		25.40	19.10	15.20	12.70	10.60	9.30	8.40
-ST-PA		26.10	19.70	15.70	13.20	10.95	9.60	8.65
-ST-ZB or ZD		26.50	20.00	16.00	13.40	11.15	9.80	8.85
-ST-CB or CD	30	26.70	20.20	16.10	13.50	11.25	9.90	8.95
-SS2 (Stainless)	30	120.00	93.80	77.40	65.60	58.70	51.60	46.90
-BC (Berylco)	30	62.00	49.50	41.00	34.50	31.00	27.50	25.00
3101-46-ST		25.80	19.30	15.40	12.90	10.70	9.40	8.50
-ST-PA		26.50	19.90	15.90	13.20	11.05	9.70	8.75
-ST-ZB or ZD		26.90	20.20	16.20	13.40	11.25	9.90	8.95
-ST-CB or CD	30	27.10	20.40	16.30	13.50	11.35	10.00	9.05
-SS2 (Stainless)	30	121.00	94.30	77.80	66.00	58.90	51.80	47.20
-BC (Berylco)	30	85.50	52.50	43.00	36.50	32.50	28.50	26.00
3101-50-ST		26.50	21.00	16.80	14.40	12.00	10.50	9.50
-ST-PA		28.10	22.20	17.90	15.30	12.80	11.15	10.10
-ST-ZB or ZD		28.60	22.70	18.20	15.60	13.10	11.45	10.30
-ST-CB or CD	28	28.90	23.00	18.40	15.80	13.20	11.55	10.45
-SS2 (Stainless)	28	131.00	104.00	85.90	73.00	65.00	57.20	52.10
-BC (Berylco)	28	96.00	76.50	63.00	53.50	48.00	42.00	38.00
3101-55-ST		28.70	22.40	17.90	15.40	13.00	11.50	10.40
-ST-PA		30.40	23.70	19.00	16.40	13.80	12.20	11.05
-ST-ZB or ZD		31.00	24.20	19.40	16.70	14.10	12.50	11.25
-ST-CB or CD	25	31.30	24.50	19.60	16.90	14.20	12.60	11.40
-SS2 (Stainless)	25	136.00	109.00	89.50	76.00	67.90	59.80	54.40
-BC (Berylco)	25	109.00	87.00	72.00	61.00	54.50	48.00	43.50
3101-56-ST		29.40	22.70	18.10	15.50	13.10	11.60	10.50
-ST-PA		31.10	24.00	19.20	16.50	13.90	12.30	11.15
-ST-ZB or ZD		31.70	24.50	19.60	16.80	14.20	12.60	11.35
-ST-CB or CD	25	32.00	24.80	19.80	17.00	14.30	12.70	11.50
-SS2 (Stainless)	25	138.00	110.00	90.50	76.50	68.40	60.50	55.00
-BC (Berylco)	25	112.00	89.50	73.50	62.50	55.50	49.00	44.50
3101-59-ST		30.50	23.50	18.80	16.10	14.00	12.40	11.20
-ST-PA		32.30	24.90	20.00	17.20	14.90	13.20	11.95
-ST-ZB or ZD		32.90	25.40	20.40	17.50	15.20	13.50	12.15
-ST-CB or CD	25	33.20	25.70	20.60	17.70	15.30	13.60	12.35
-SS2 (Stainless)	25	140.00	113.00	92.50	78.50	70.00	61.50	56.00
-BC (Berylco)	25	120.00	95.50	79.00	67.00	59.50	52.50	47.50
3101-62-ST		32.20	24.20	19.50	16.50	14.50	12.80	11.60
-ST-PA		34.00	25.60	20.70	17.60	15.40	13.60	12.35
-ST-ZB or ZD		34.60	26.10	21.10	17.90	15.70	13.90	12.55
-ST-CB or CD	25	34.90	26.40	21.30	18.10	15.80	14.00	12.75
-SS2 (Stainless)	25	145.00	116.00	95.00	81.00	72.00	63.50	57.50
-BC (Berylco)	25	128.00	102.00	84.00	71.50	64.00	56.00	51.00
3101-66-ST		32.90	25.30	20.40	17.30	15.50	13.60	12.40
-ST-PA		35.00	26.90	21.80	18.50	16.50	14.50	13.30
-ST-ZB or ZD		35.60	27.40	22.20	18.80	16.80	14.80	13.50
-ST-CB or CD	25	35.90	27.70	22.40	19.00	17.00	14.90	13.70
-SS2 (Stainless)	25	149.00	119.00	98.00	83.50	74.50	65.50	59.50
-BC (Berylco)	25	138.00	110.00	91.00	77.00	69.00	60.50	55.00
3101-67-ST		32.90	25.30	20.40	17.30	15.50	13.60	12.40
-ST-PA		35.00	26.90	21.80	18.50	16.50	14.50	13.30
-ST-ZB or ZD		35.60	27.40	22.20	18.80	16.80	14.80	13.50
-ST-CB or CD	25	35.90	27.70	22.40	19.00	17.00	14.90	13.70
-SS2 (Stainless)	25	149.00	119.00	98.00	83.50	74.50	65.50	59.50
-BC (Berylco)	25	138.00	110.00	91.00	77.00	69.00	60.50	55.00

*Less than 100 are available in Packets containing the quantity indicated for each size.

Steel (-ST) with -CD finish -25 thru -150: \$2.00 per Packet.
Stainless Steel (-SS2) -25 thru -150: \$5.00 per Packet.

Beryllium Copper (-BC) -25 thru -46: \$2.00 per Packet.
-50 thru -67: \$4.00 per Packet.
-68 thru -102: \$6.00 per Packet.
-106 thru -150: \$8.00 per Packet.

CODE	MATERIAL	CODE	FINISH
ST	Carbon Spring Steel (SAE 1075)	PA	Phosphate Coating
SS2	Stainless Steel (Armco PH 15-7 MO)	ZB	Zinc Plating, Bright
BC	Beryllium Copper (Berylco 25)	ZD	Zinc Plating, Dichromate Dip
		CB	Cadmium Plating, Bright
		CD	Cadmium Plating, Dichromate Dip
STANDARD FINISH: Oil Dip			



EXTERNAL
SERIES
3101

BULK NET PRICES PER 1000 RINGS

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
3101-68-ST		34.00	26.00	20.70	18.20	16.10	14.20	13.00
-ST-PA		37.50	28.80	23.00	20.20	17.80	15.70	14.40
-ST-ZB or ZD		38.60	29.80	23.80	20.80	18.40	16.20	14.90
-ST-CB or CD	20	39.10	30.30	24.20	21.10	18.60	16.50	15.20
-SS2 (Stainless)	20	155.00	125.00	104.00	88.00	78.50	69.00	62.50
-BC (Berylco)	20	158.00	127.00	105.00	88.50	79.00	69.50	63.00
3101-75-ST		35.30	27.70	23.30	19.70	16.70	14.70	13.50
-ST-PA		39.10	30.70	25.80	21.90	18.60	16.40	15.00
-ST-ZB or ZD		40.20	31.70	26.60	22.50	19.20	16.90	15.50
-ST-CB or CD	20	40.80	32.20	27.00	22.80	19.40	17.20	15.80
-SS2 (Stainless)	20	173.00	138.00	114.00	96.50	86.00	75.50	69.00
-BC (Berylco)	20	190.00	150.00	125.00	105.00	95.00	83.50	76.00
3101-78-ST		36.50	28.00	22.90	20.30	17.80	15.50	14.20
-ST-PA		40.30	31.00	25.40	22.50	19.70	17.20	15.70
-ST-ZB or ZD		41.40	32.00	26.20	23.10	20.30	17.70	16.20
-ST-CB or CD	16	42.00	32.50	26.60	23.40	20.50	18.00	16.50
-SS2 (Stainless)	16	180.00	144.00	119.00	100.00	90.00	79.00	72.00
-BC (Berylco)	16	204.00	163.00	134.00	114.00	102.00	89.50	81.50
3101-81-ST		38.00	29.00	23.50	20.90	18.40	16.00	14.60
-ST-PA		42.00	32.20	26.10	23.20	20.40	17.80	16.20
-ST-ZB or ZD		43.10	33.20	26.90	23.80	21.00	18.30	16.70
-ST-CB or CD	16	43.70	33.70	27.30	24.10	21.30	18.60	17.00
-SS2 (Stainless)	16	185.00	150.00	124.00	105.00	93.00	82.00	75.00
-BC (Berylco)	16	215.00	174.00	144.00	122.00	109.00	95.50	87.00
3101-84-ST		39.60	29.70	24.20	21.50	19.45	17.05	15.50
-ST-PA		43.60	32.90	26.80	23.80	21.45	18.85	17.10
-ST-ZB or ZD		44.70	33.90	27.60	24.40	22.05	19.35	17.60
-ST-CB or CD	16	45.30	34.40	28.00	24.70	22.35	19.65	17.90
-SS2 (Stainless)	16	190.00	153.00	127.00	107.00	95.00	84.00	76.00
-BC (Berylco)	16	233.00	186.00	153.00	130.00	116.00	103.00	93.00
3101-87-ST		41.20	30.40	24.90	22.10	20.50	18.10	16.40
-ST-PA		45.20	33.60	27.50	24.40	22.50	19.90	18.00
-ST-ZB or ZD		46.30	34.60	28.30	25.00	23.10	20.40	18.50
-ST-CB or CD	16	46.90	35.10	28.70	25.30	23.40	20.70	18.80
-SS2 (Stainless)	16	194.00	155.00	129.00	109.00	97.00	85.00	77.00
-BC (Berylco)	16	245.00	196.00	161.00	137.00	122.00	108.00	97.50
3101-93-ST		43.00	31.50	26.00	23.00	21.50	19.00	17.00
-ST-PA		47.30	34.90	28.80	25.40	23.60	20.90	18.70
-ST-ZB or ZD		48.40	35.90	29.60	26.10	24.20	21.40	19.20
-ST-CB or CD	14	49.10	36.40	30.10	26.40	24.50	21.70	19.50
-SS2 (Stainless)	14	209.00	165.00	135.00	115.00	104.00	91.00	83.00
-BC (Berylco)	14	270.00	215.00	179.00	150.00	135.00	120.00	109.00
3101-98-ST		45.50	32.60	27.00	24.00	22.50	20.00	18.00
-ST-PA		49.80	36.00	29.80	26.40	24.60	21.90	19.70
-ST-ZB or ZD		50.90	37.00	30.60	27.10	25.20	22.40	20.20
-ST-CB or CD	14	51.60	37.50	31.10	27.40	25.50	22.70	20.50
-SS2 (Stainless)	14	220.00	175.00	145.00	124.00	110.00	97.00	88.00
-BC (Berylco)	14	290.00	235.00	195.00	160.00	145.00	130.00	118.00

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Steel (-ST) with -CD finish -25 thru -150: \$2.00 per Packet.
Stainless Steel (-SS2) -25 thru -150: \$5.00 per Packet.

Beryllium Copper (-BC) -25 thru -46: \$2.00 per Packet.
-50 thru -67: \$4.00 per Packet.
-68 thru -102: \$6.00 per Packet.
-106 thru -150: \$8.00 per Packet.

BULK NET PRICES PER 1000 RINGS

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
3101-100-ST		46.50	33.00	27.50	24.50	23.00	20.50	18.50
-ST-PA		51.00	36.60	30.50	27.10	25.20	22.50	20.30
-ST-ZB or ZD		52.20	37.60	31.30	27.70	25.80	23.00	20.80
-ST-CB or CD	12	52.80	38.10	31.70	28.10	26.10	23.30	21.10
-SS2 (Stainless)	12	223.00	179.00	147.00	125.00	111.00	98.00	89.00
-BC (Berylco)	12	300.00	240.00	200.00	165.00	150.00	133.00	121.00
3101-102-ST		48.00	33.50	28.00	25.00	23.50	21.00	19.00
-ST-PA		52.50	37.10	31.00	27.60	25.70	23.00	20.80
-ST-ZB or ZD		53.70	38.10	31.80	28.20	26.30	23.50	21.30
-ST-CB or CD	12	54.30	38.60	32.20	28.60	26.60	23.80	21.60
-SS2 (Stainless)	12	227.00	181.00	150.00	127.00	113.00	100.00	91.00
-BC (Berylco)	12	310.00	250.00	205.00	170.00	155.00	135.00	123.00
3101-106-ST		50.50	36.00	29.50	26.50	24.50	22.50	20.50
-ST-PA		58.80	42.60	34.90	31.10	28.60	26.10	23.80
-ST-ZB or ZD		61.10	44.50	36.50	32.40	29.80	27.20	24.80
-ST-CB or CD	10	62.30	45.60	37.40	33.00	30.30	27.80	25.30
-SS2 (Stainless)	10	295.00	238.00	195.00	165.00	149.00	130.00	119.00
-BC (Berylco)	10	390.00	315.00	255.00	220.00	195.00	170.00	155.00
3101-112-ST		56.00	40.00	33.00	30.00	27.00	25.00	23.00
-ST-PA		64.80	47.00	38.80	34.90	31.30	28.80	26.50
-ST-ZB or ZD		67.10	48.90	40.40	36.20	32.50	29.90	27.50
-ST-CB or CD	10	68.40	50.00	41.30	36.90	33.10	30.50	28.10
-SS2 (Stainless)	10	315.00	250.00	204.00	174.00	155.00	138.00	126.00
-BC (Berylco)	10	430.00	345.00	275.00	235.00	210.00	190.00	170.00
3101-118-ST		58.50	42.00	34.50	31.00	28.00	26.00	24.00
-ST-PA		67.60	49.30	40.40	36.10	32.40	29.90	27.60
-ST-ZB or ZD		69.90	51.20	42.00	37.40	33.60	31.00	28.60
-ST-CB or CD	10	71.20	52.30	42.90	38.10	34.20	31.60	29.20
-SS2 (Stainless)	10	334.00	265.00	213.00	180.00	163.00	145.00	133.00
-BC (Berylco)	10	465.00	375.00	295.00	250.00	225.00	205.00	185.00
3101-125-ST		61.00	43.50	36.00	32.00	29.00	27.00	25.00
-ST-PA		70.30	50.90	42.10	37.20	33.50	31.00	28.70
-ST-ZB or ZD		72.60	52.80	43.70	38.50	34.70	32.10	29.70
-ST-CB or CD	8	73.90	53.90	44.60	39.30	35.30	32.70	30.30
-SS2 (Stainless)	8	354.00	283.00	220.00	188.00	170.00	155.00	141.00
-BC (Berylco)	8	500.00	400.00	315.00	270.00	245.00	220.00	200.00
3101-131-ST		63.00	45.00	37.50	33.50	31.00	28.00	25.50
-ST-PA		72.80	52.80	43.90	39.00	35.80	32.30	29.40
-ST-ZB or ZD		76.10	54.80	45.50	40.30	37.00	33.40	30.50
-ST-CB or CD	8	77.40	55.90	46.40	41.10	37.60	34.00	31.10
-SS2 (Stainless)	8	370.00	295.00	228.00	195.00	178.00	162.00	148.00
-BC (Berylco)	8	540.00	435.00	335.00	285.00	260.00	240.00	215.00
3101-137-ST		65.50	47.00	39.00	34.50	32.00	29.00	26.50
-ST-PA		75.60	55.00	45.50	40.10	36.90	33.40	30.50
-ST-ZB or ZD		77.90	57.00	47.10	41.40	38.20	34.50	31.60
-ST-CB or CD	8	79.30	58.20	48.00	42.20	38.80	35.20	32.20
-SS2 (Stainless)	8	388.00	310.00	237.00	204.00	185.00	170.00	155.00
-BC (Berylco)	8	580.00	465.00	350.00	300.00	275.00	255.00	230.00
3101-143-ST		67.50	48.50	40.00	35.50	33.00	30.00	27.50
-ST-PA		77.80	56.70	46.80	41.30	38.00	34.50	31.60
-ST-ZB or ZD		80.10	58.00	48.40	42.60	39.30	35.60	32.70
-ST-CB or CD	8	81.50	59.20	49.40	43.40	39.90	36.30	33.30
-SS2 (Stainless)	8	400.00	320.00	245.00	210.00	193.00	175.00	160.00
-BC (Berylco)	8	615.00	495.00	370.00	315.00	290.00	270.00	245.00
3101-150-ST		77.50	55.50	46.00	41.00	38.00	34.00	31.00
-ST-PA		88.10	63.90	52.90	46.90	43.20	38.60	35.20
-ST-ZB or ZD		90.40	65.90	54.60	48.30	44.50	39.70	36.30
-ST-CB or CD	8	91.90	67.10	55.60	49.10	45.20	40.40	36.90
-SS2 (Stainless)	8	420.00	335.00	255.00	220.00	203.00	185.00	169.00
-BC (Berylco)	8	650.00	520.00	390.00	330.00	310.00	280.00	260.00

PACKAGED IN QUANTITIES OF 100 PIECES

*Less than 100 are available in Packets containing the quantity indicated for each size.
 Steel (-ST) with -CD finish -25 thru -150: \$2.00 per Packet.
 Stainless Steel (-SS2) -25 thru -150: \$5.00 per Packet.
 Beryllium Copper (-BC) -25 thru -46: \$2.00 per Packet.
 -50 thru -67: \$4.00 per Packet.
 -68 thru -102: \$6.00 per Packet.
 -106 thru -150: \$8.00 per Packet.

CODE	MATERIAL	CODE	FINISH
ST	Carbon Spring Steel (SAE 1075)	PA	Phosphate Coating
SS2	Stainless Steel (Armco PH 15-7 MO)	ZB	Zinc Plating, Bright
BC	Beryllium Copper (Berylco 25)	ZD	Zinc Plating, Dichromate Dip
		CB	Cadmium Plating, Bright
		CD	Cadmium Plating, Dichromate Dip
STANDARD FINISH: Oil Dip			



INTERNAL
SERIES
4000

BULK NET PRICES PER 1000 RINGS

Sizes 4000-75 through 4000-200 also available stacked. For stacking charges see Page 46.

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
4000-75-ST		32.00	24.40	20.00	17.00	15.30	13.40	12.00
-ST-PA		33.70	25.70	21.10	17.90	16.10	14.10	12.60
-ST-ZB or ZD		34.10	26.00	21.40	18.20	16.30	14.30	12.80
-ST-CB or CD	25	34.40	26.30	21.60	18.30	16.40	14.40	13.00
-SS2 (Stainless)	25	142.00	113.00	93.00	79.00	70.00	62.00	56.00
-BC (Berylco)	25	134.00	107.00	88.00	74.50	66.50	58.50	53.50
4000-81-ST		35.00	25.50	21.00	18.50	16.50	14.50	13.00
-ST-PA		37.80	27.70	23.10	20.10	17.90	15.80	14.20
-ST-ZB or ZD		38.70	28.50	23.50	20.60	18.30	16.20	14.50
-ST-CB or CD	16	39.10	28.80	23.80	20.80	18.40	16.30	14.70
-SS2 (Stainless)	16	172.00	138.00	113.00	96.00	86.00	75.00	68.00
-BC (Berylco)	16	183.00	145.00	120.00	102.00	91.00	80.00	73.00
4000-87-ST		37.50	27.50	22.50	19.50	17.50	15.50	14.00
-ST-PA		40.40	29.80	24.60	21.10	19.00	16.80	15.20
-ST-ZB or ZD		41.30	30.60	25.10	21.70	19.40	17.20	15.50
-ST-CB or CD	16	41.70	31.00	25.40	22.00	19.60	17.40	15.70
-SS2 (Stainless)	16	180.00	145.00	119.00	100.00	90.00	79.00	72.00
-BC (Berylco)	16	195.00	156.00	129.00	109.00	97.00	85.50	77.50
4000-93-ST		38.50	28.00	23.00	20.00	18.00	16.00	14.50
-ST-PA		41.50	30.40	25.10	21.70	19.50	17.40	15.80
-ST-ZB or ZD		42.40	31.20	25.60	22.30	19.90	17.80	16.10
-ST-CB or CD	14	42.80	31.60	25.90	22.80	20.10	18.00	16.30
-SS2 (Stainless)	14	190.00	152.00	125.00	105.00	95.00	83.00	76.00
-BC (Berylco)	14	207.00	166.00	137.00	116.00	104.00	91.00	82.50
4000-100-ST		44.00	29.00	24.00	23.00	20.50	18.00	16.50
-ST-PA		47.20	31.50	26.10	24.80	22.10	19.40	17.80
-ST-ZB or ZD		48.10	32.30	26.70	25.40	22.50	19.80	18.10
-ST-CB or CD	12	48.50	32.70	27.00	25.90	22.70	20.00	18.30
-SS2 (Stainless)	12	200.00	160.00	132.00	112.00	100.00	88.00	80.00
-BC (Berylco)	12	220.00	177.00	146.00	124.00	111.00	97.50	88.50
4000-106-ST		46.50	32.50	27.00	24.00	22.00	20.00	18.50
-ST-PA		52.80	37.50	31.10	27.50	25.10	22.70	21.00
-ST-ZB or ZD		54.40	38.90	32.20	28.50	25.90	23.40	21.70
-ST-CB or CD	10	55.40	39.70	32.90	29.00	26.40	23.90	22.20
-SS2 (Stainless)	10	239.00	190.00	158.00	134.00	119.00	105.00	95.00
-BC (Berylco)	10	293.00	234.00	193.00	164.00	146.00	129.00	117.00
4000-112-ST		48.00	33.50	28.00	25.00	23.00	21.00	19.50
-ST-PA		54.30	38.50	32.10	28.50	26.10	23.70	22.00
-ST-ZB or ZD		55.90	39.90	33.10	29.50	26.90	24.40	22.70
-ST-CB or CD	10	56.90	40.70	33.90	30.00	27.40	24.90	23.20
-SS2 (Stainless)	10	250.00	198.00	163.00	139.00	124.00	110.00	100.00
-BC (Berylco)	10	315.00	249.00	203.00	174.00	156.00	139.00	126.00
4000-118-ST		49.50	34.50	28.50	25.50	23.50	21.50	20.00
-ST-PA		56.00	39.70	32.80	29.10	26.70	24.40	22.60
-ST-ZB or ZD		57.60	41.10	33.90	30.10	27.50	25.10	23.30
-ST-CB or CD	10	58.70	42.00	34.60	30.70	28.00	25.60	23.80
-SS2 (Stainless)	10	265.00	205.00	168.00	144.00	129.00	117.00	106.00
-BC (Berylco)	10	340.00	264.00	214.00	184.00	166.00	150.00	136.00

*Less than 100 are available in Packets containing the quantity indicated for each size.

Steel (-ST) with -CD finish -75 thru -315: \$2.00 per Packet.
Stainless Steel (-SS2) -75 thru -237: \$5.00 per Packet.

Beryllium Copper (-BC) -75 thru -150: \$6.00 per Packet.
-162 thru -237: \$8.00 per Packet.

BULK NET PRICES PER 1000 RINGS

Sizes 4000-75 through 4000-200 also available stacked. For stacking charges, see Page 46.

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
4000-125-ST		52.00	36.00	30.00	27.00	25.00	23.00	20.50
-ST-PA		58.50	41.20	34.30	30.60	28.20	25.90	23.10
-ST-ZB or ZD		60.10	42.60	35.40	31.60	29.00	26.60	23.80
-ST-CB or CD	8	61.20	43.50	36.10	32.20	29.50	27.10	24.30
-SS2 (Stainless)	8	278.00	212.00	173.00	150.00	134.00	122.00	111.00
-BC (Berylco)	8	360.00	280.00	225.00	194.00	176.00	158.00	144.00
4000-131-ST		54.50	38.00	31.50	28.00	26.00	24.00	21.50
-ST-PA		61.00	43.20	35.80	31.60	29.20	26.90	24.10
-ST-ZB or ZD		62.60	44.60	36.90	32.60	30.00	27.60	24.80
-ST-CB or CD	8	63.70	45.50	37.60	33.20	30.50	28.10	25.30
-SS2 (Stainless)	8	290.00	223.00	178.00	155.00	139.00	128.00	116.00
-BC (Berylco)	8	385.00	295.00	236.00	204.00	186.00	169.00	154.00
4000-137-ST		58.00	40.50	33.50	30.00	27.00	25.00	22.50
-ST-PA		64.80	45.90	37.90	33.80	30.30	28.00	25.20
-ST-ZB or ZD		66.40	47.30	39.10	34.80	31.10	28.70	25.90
-ST-CB or CD	8	67.50	48.20	39.80	35.40	31.60	29.20	26.40
-SS2 (Stainless)	8	303.00	230.00	183.00	160.00	144.00	133.00	120.00
-BC (Berylco)	8	415.00	310.00	247.00	213.00	196.00	178.00	162.00
4000-150-ST		64.50	45.00	37.00	33.50	31.00	28.00	25.50
-ST-PA		72.60	51.40	42.30	38.00	34.90	31.50	28.70
-ST-ZB or ZD		74.30	52.90	43.50	39.00	35.90	32.40	29.50
-ST-CB or CD	8	75.40	53.90	44.30	39.60	36.40	32.90	30.00
-SS2 (Stainless)	8	325.00	245.00	195.00	170.00	155.00	144.00	130.00
-BC (Berylco)	8	448.00	340.00	269.00	233.00	215.00	197.00	179.00
4000-162-ST		82.00	57.50	47.50	42.50	39.50	36.00	33.00
-ST-PA		96.80	69.40	56.90	50.60	46.70	42.70	39.20
-ST-ZB or ZD		99.90	72.10	59.00	52.40	48.50	44.30	40.70
-ST-CB or CD	6	102.50	74.20	60.80	53.80	49.60	45.50	41.80
-SS2 (Stainless)	6	463.00	350.00	275.00	240.00	220.00	204.00	185.00
-BC (Berylco)	6	645.00	490.00	389.00	335.00	310.00	285.00	259.00
4000-168-ST		87.00	61.00	50.50	45.50	42.00	38.00	35.00
-ST-PA		102.00	73.30	60.10	53.80	49.50	44.90	41.40
-ST-ZB or ZD		105.00	75.60	62.20	55.60	51.10	46.40	42.80
-ST-CB or CD	6	108.00	78.00	64.10	57.10	52.30	47.70	44.00
-SS2 (Stainless)	6	485.00	369.00	290.00	250.00	230.00	213.00	194.00
-BC (Berylco)	6	685.00	520.00	410.00	355.00	329.00	300.00	274.00
4000-187-ST		103.00	71.50	59.50	53.00	49.00	45.00	41.00
-ST-PA		118.70	84.20	69.40	61.50	56.70	52.20	47.60
-ST-ZB or ZD		121.70	86.70	71.60	63.40	58.30	53.70	49.00
-ST-CB or CD	4	124.70	89.00	73.50	65.00	59.60	55.00	50.30
-SS2 (Stainless)	4	510.00	385.00	304.00	264.00	244.00	223.00	203.00
-BC (Berylco)	4	800.00	610.00	480.00	415.00	385.00	350.00	320.00
4000-200-ST		109.00	76.00	63.00	57.50	52.00	48.00	43.50
-ST-PA		125.20	88.90	73.10	66.20	59.80	55.30	50.20
-ST-ZB or ZD		128.20	91.50	75.20	68.10	61.50	56.80	51.60
-ST-CB or CD	4	131.20	93.90	77.10	69.60	62.80	58.10	52.90
-SS2 (Stainless)	4	590.00	450.00	355.00	305.00	280.00	260.00	235.00
-BC (Berylco)	4	880.00	670.00	530.00	455.00	420.00	385.00	350.00
4000-206-ST		154.00	120.00	94.00	83.00	76.00	69.00	68.00
-ST-PA		175.00	136.00	107.00	94.30	86.50	78.70	77.70
-ST-ZB or ZD		179.00	141.00	110.00	96.90	88.90	80.90	79.90
-ST-CB or CD	2	183.00	143.00	112.00	98.80	90.80	82.80	81.80
-SS2 (Stainless)	2	765.00	605.00	470.00	415.00	380.00	345.00	335.00
-BC (Berylco)	2	1090.00	870.00	670.00	595.00	545.00	495.00	485.00
4000-237-ST		160.00	145.00	110.00	99.00	91.00	83.00	81.00
-ST-PA		188.00	168.00	128.00	115.00	105.40	96.40	94.40
-ST-ZB or ZD		195.00	173.00	131.00	118.00	108.40	99.40	97.40
-ST-CB or CD	2	200.00	177.00	134.00	121.00	111.40	101.90	99.90
-SS2 (Stainless)	2	920.00	730.00	560.00	500.00	460.00	410.00	400.00
-BC (Berylco)	2	1390.00	1100.00	850.00	760.00	695.00	630.00	615.00
4000-315-ST		475.00	385.00	310.00	280.00	255.00	253.00	251.00
-ST-PA		542.00	440.00	353.00	320.00	288.00	280.00	275.00
-ST-ZB or ZD		582.00	473.00	379.00	344.00	310.00	302.00	297.00
-ST-CB or CD	1	596.00	483.00	386.00	351.00	317.00	309.00	304.00

*Less than 100 are available in Packets containing the quantity indicated for each size.

-38- Steel (-ST) with -CD finish -75 thru -315: \$2.00 per Packet. Beryllium Copper (-BC) -75 thru -150: \$6.00 per Packet.

Stainless Steel (-SS2) -75 thru -237: \$5.00 per Packet.

-162 thru -237: \$8.00 per Packet.

CODE	MATERIAL	CODE	FINISH
ST	Carbon Spring Steel (SAE 1075)	PA	Phosphate Coating
SS2	Stainless Steel (Armco PH 15-7 MO)	ZB	Zinc Plating, Bright
BC	Beryllium Copper (Berylco 25)	ZD	Zinc Plating, Dichromate Dip
		CB	Cadmium Plating, Bright
		CD	Cadmium Plating, Dichromate Dip

STANDARD FINISH: Oil Dip



EXTERNAL
SERIES
4100

BULK NET PRICES PER 1000 RINGS

Sizes 4100-50 through 4100-137 also available stacked. For stacking charges see Page 46.

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
4100-50-ST		28.50	21.00	16.50	14.40	12.00	10.50	9.50
-ST-PA		30.10	22.20	17.60	15.30	12.80	11.15	10.10
-ST-ZB or ZD		30.60	22.70	17.90	15.60	13.10	11.45	10.30
-ST-CB or CD	25	30.90	23.00	18.10	15.80	13.20	11.55	10.45
-SS2 (Stainless)	25	119.00	95.00	78.50	67.00	59.50	52.50	47.50
-BC (Berylco)	25	84.50	67.50	55.50	47.50	42.00	37.00	33.50
4100-56-ST		30.50	22.50	18.00	15.50	13.40	11.50	10.50
-ST-PA		32.20	23.80	19.10	16.50	14.20	12.20	11.15
-ST-ZB or ZD		32.80	24.30	19.50	16.80	14.50	12.50	11.35
-ST-CB or CD	25	33.10	24.60	19.70	17.00	14.60	12.60	11.50
-SS2 (Stainless)	25	126.00	101.00	83.00	70.00	63.00	55.00	50.00
-BC (Berylco)	25	101.00	81.00	66.50	56.50	50.50	44.60	40.50
4100-59-ST		31.50	23.00	18.50	16.00	14.00	12.00	11.00
-ST-PA		33.30	24.40	19.70	17.10	14.90	12.80	11.75
-ST-ZB or ZD		33.90	24.90	20.10	17.40	15.20	13.10	11.95
-ST-CB or CD	25	34.20	25.20	20.30	17.60	15.30	13.20	12.15
-SS2 (Stainless)	25	129.00	103.00	85.00	71.00	64.00	56.00	51.00
-BC (Berylco)	25	110.00	87.50	72.00	61.00	54.50	48.00	43.50
4100-62-ST		32.50	24.00	19.50	16.50	14.50	12.50	11.50
-ST-PA		34.30	25.40	20.70	17.60	15.40	13.30	12.25
-ST-ZB or ZD		34.90	25.90	21.10	17.90	15.70	13.60	12.45
-ST-CB or CD	25	35.20	26.20	21.30	18.10	15.80	13.70	12.65
-SS2 (Stainless)	25	133.00	106.00	87.00	73.00	66.00	58.00	53.00
-BC (Berylco)	25	118.00	94.00	77.50	65.50	58.50	51.50	47.00
4100-68-ST		33.80	26.20	21.00	18.40	16.40	14.40	13.00
-ST-PA		37.30	29.00	23.30	20.40	18.10	15.90	14.40
-ST-ZB or ZD		38.40	30.00	24.10	21.00	18.70	16.40	14.90
-ST-CB or CD	20	38.90	30.50	24.50	21.30	18.90	16.70	15.20
-SS2 (Stainless)	20	150.00	120.00	99.50	84.50	75.50	66.50	60.50
-BC (Berylco)	20	165.00	132.00	109.00	92.50	82.50	72.50	66.00
4100-75-ST		34.00	27.30	22.00	19.40	17.10	15.10	13.60
-ST-PA		37.80	30.30	24.50	21.60	19.00	16.80	15.10
-ST-ZB or ZD		38.90	31.30	25.30	22.20	19.60	17.30	15.60
-ST-CB or CD		39.50	31.80	25.70	22.50	19.80	17.60	15.90
-SS2 (Stainless)		165.00	132.00	109.00	92.50	82.50	72.50	66.00
-BC (Berylco)		190.00	152.00	125.00	106.00	94.50	83.50	75.50
4100-78-ST		35.50	28.20	22.90	20.00	17.80	15.60	14.10
-ST-PA		39.30	31.20	25.40	22.20	19.70	17.30	15.60
-ST-ZB or ZD		40.40	32.20	26.20	22.80	20.30	17.80	16.10
-ST-CB or CD	16	41.00	32.70	26.60	23.10	20.50	18.10	16.40
-SS2 (Stainless)	16	171.00	137.00	113.00	95.50	85.50	75.00	68.50
-BC (Berylco)	16	200.00	162.00	133.00	113.00	101.00	88.50	80.50
4100-81-ST		36.50	28.80	23.50	20.60	18.40	16.20	14.60
-ST-PA		40.50	32.00	26.10	22.90	20.40	18.00	16.20
-ST-ZB or ZD		41.60	33.00	26.90	23.50	21.00	18.50	16.70
-ST-CB or CD	16	42.20	33.50	27.30	23.80	21.30	18.80	17.00
-SS2 (Stainless)	16	178.00	142.00	117.00	99.00	88.50	78.00	71.00
-BC (Berylco)	16	214.00	171.00	141.00	120.00	107.00	94.00	85.50

*Less than 100 are available in Packets containing the quantity indicated for each size.

Steel (-ST) with -CD finish - 50 thru - 400: \$2.00 per Packet
Stainless Steel (-SS2) - 50 thru - 275: \$5.00 per Packet

Beryllium Copper (-BC) - 50 thru - 62: \$4.00 per Packet
- 68 thru - 100: \$6.00 per Packet
- 106 thru - 275: \$8.00 per Packet

BULK NET PRICES PER 1000 RINGS

Sizes 4100-50 through 4100-137 also available stacked. For stacking charges, see Page 46.

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
4100-87-ST		41.00	30.00	24.50	21.50	20.50	18.00	16.00
-ST-PA		45.00	33.20	27.10	23.80	22.50	19.80	17.60
-ST-ZB or ZD		46.10	34.20	27.90	24.40	23.10	20.30	18.10
-ST-CB or CD	16	46.70	34.70	28.30	24.70	23.40	20.60	18.40
-SS2 (Stainless)	16	184.00	147.00	121.00	103.00	92.00	81.00	73.50
-BC (Berylco)	16	238.00	190.00	157.00	133.00	119.00	105.00	95.00
4100-93-ST		43.00	31.00	25.50	22.50	21.50	19.00	17.00
-ST-PA		47.30	34.40	28.30	24.90	23.60	20.90	18.70
-ST-ZB or ZD		48.40	35.40	29.10	25.60	24.20	21.40	19.20
-ST-CB or CD	14	49.10	35.90	29.60	25.90	24.50	21.70	19.50
-SS2 (Stainless)	14	195.00	155.00	129.00	109.00	97.50	86.00	78.00
-BC (Berylco)	14	260.00	210.00	173.00	145.00	130.00	115.00	105.00
4100-100-ST		46.50	32.50	27.00	24.00	23.00	20.50	18.50
-ST-PA		51.00	36.10	30.00	26.60	25.20	22.50	20.30
-ST-ZB or ZD		52.20	37.10	30.80	27.20	25.80	23.00	20.80
-ST-CB or CD	12	52.80	37.60	31.20	27.60	26.10	23.30	21.10
-SS2 (Stainless)	12	209.00	175.00	135.00	115.00	105.00	92.00	83.50
-BC (Berylco)	12	285.00	228.00	188.00	160.00	143.00	125.00	114.00
4100-106-ST		50.50	36.00	30.00	26.50	24.50	22.50	20.50
-ST-PA		58.80	42.60	35.40	31.10	28.60	26.10	23.80
-ST-ZB or ZD		61.10	44.50	37.00	32.40	29.80	27.20	24.80
-ST-CB or CD	10	62.30	45.60	37.90	33.00	30.30	27.80	25.30
-SS2 (Stainless)	10	275.00	225.00	185.00	158.00	140.00	124.00	113.00
-BC (Berylco)	10	405.00	334.00	275.00	234.00	209.00	184.00	165.00
4100-112-ST		56.50	40.40	33.50	30.00	27.70	25.40	23.00
-ST-PA		65.30	47.40	39.30	34.90	32.00	29.20	26.50
-ST-ZB or ZD		67.60	49.30	40.90	36.20	33.20	30.30	27.50
-ST-CB or CD	10	68.90	50.40	41.80	36.90	33.80	30.90	28.10
-SS2 (Stainless)	10	279.00	235.00	192.00	164.00	147.00	125.00	114.00
-BC (Berylco)	10	445.00	360.00	295.00	250.00	225.00	200.00	182.00
4100-118-ST		58.00	41.50	34.70	31.00	28.70	26.30	23.90
-ST-PA		67.10	48.80	40.60	36.10	33.10	30.20	27.50
-ST-ZB or ZD		69.40	50.70	42.20	37.40	34.30	31.30	28.50
-ST-CB or CD	10	70.70	51.80	43.10	38.10	34.90	31.90	29.10
-SS2 (Stainless)	10	305.00	244.00	198.00	169.00	153.00	138.00	125.00
-BC (Berylco)	10	485.00	385.00	314.00	265.00	240.00	215.00	195.00
4100-125-ST		61.30	43.80	36.30	32.50	30.00	27.50	25.00
-ST-PA		70.60	51.20	42.40	37.70	34.50	31.50	28.70
-ST-ZB or ZD		72.90	53.10	44.00	39.00	35.70	32.60	29.70
-ST-CB or CD	8	74.20	54.20	44.90	39.80	36.30	33.20	30.30
-SS2 (Stainless)	8	320.00	254.00	205.00	175.00	160.00	144.00	130.00
-BC (Berylco)	8	520.00	415.00	335.00	385.00	260.00	235.00	211.00
4100-131-ST		63.00	45.00	37.40	33.50	31.00	28.40	25.80
-ST-PA		72.80	52.80	43.80	39.00	35.80	32.70	29.70
-ST-ZB or ZD		75.10	54.80	45.40	40.30	37.00	33.80	30.80
-ST-CB or CD	8	76.40	55.90	46.30	41.10	37.60	34.40	31.40
-SS2 (Stainless)	8	335.00	263.00	210.00	180.00	165.00	150.00	135.00
-BC (Berylco)	8	560.00	440.00	354.00	304.00	275.00	252.00	227.00
4100-137-ST		66.00	47.00	39.00	35.00	32.00	29.50	26.50
-ST-PA		76.10	56.00	45.50	40.60	36.90	33.90	30.50
-ST-ZB or ZD		78.40	58.00	47.10	41.90	38.20	35.00	31.60
-ST-CB or CD	8	79.80	59.20	48.00	42.70	38.80	35.70	32.20
-SS2 (Stainless)	8	345.00	270.00	215.00	187.00	170.00	155.00	140.00
-BC (Berylco)	8	600.00	465.00	370.00	320.00	290.00	270.00	245.00
4100-150-ST		77.50	55.50	46.00	41.00	38.00	34.50	31.50
-ST-PA		88.10	63.90	52.90	46.90	43.20	39.10	35.70
-ST-ZB or ZD		90.40	65.90	54.60	48.30	44.50	40.20	36.80
-ST-CB or CD	8	91.90	67.10	55.60	49.10	45.20	40.90	37.40
-SS2 (Stainless)	8	375.00	290.00	229.00	198.00	184.00	168.00	148.00
-BC (Berylco)	8	674.00	523.00	413.00	358.00	330.00	303.00	260.00

CODE	MATERIAL	CODE	FINISH
ST	Carbon Spring Steel (SAE 1075)	PA	Phosphate Coating
SS2	Stainless Steel (Armco PH 15-7 MO)	ZB	Zinc Plating, Bright
BC	Beryllium Copper (Berylco 25)	ZD	Zinc Plating, Dichromate Dip
		CB	Cadmium Plating, Bright
		CD	Cadmium Plating, Dichromate Dip
STANDARD FINISH: Oil Dip			



EXTERNAL
SERIES
4100

BULK NET PRICES PER 1000 RINGS

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
PACKAGED IN QUANTITIES OF 100 PIECES								
4100-177-ST		110.00	79.00	65.00	59.00	54.00	49.00	45.00
-ST-PA		128.50	93.60	76.40	68.90	62.90	57.30	52.60
-ST-ZB or ZD		131.50	96.60	79.30	71.10	65.10	59.10	54.30
-ST-CB or CD	4	134.50	99.00	81.20	72.70	66.40	60.40	55.60
-SS2 (Stainless)	4	660.00	513.00	405.00	350.00	324.00	295.00	270.00
-BC (Berylco)	4	1120.00	870.00	685.00	595.00	550.00	500.00	455.00
4100-196-ST		125.00	90.00	75.00	67.50	62.00	57.00	51.00
-ST-PA		146.00	106.30	87.80	78.50	72.00	66.30	59.50
-ST-ZB or ZD		150.00	109.90	90.80	81.10	74.30	68.40	61.50
-ST-CB or CD	4	153.00	112.40	92.90	82.80	75.70	69.80	62.90
-SS2 (Stainless)	4	765.00	595.00	469.00	405.00	375.00	344.00	310.00
-BC (Berylco)	4	1330.00	1030.00	815.00	710.00	650.00	600.00	540.00
4100-200-ST		130.00	92.00	77.00	69.00	63.00	58.00	53.00
-ST-PA		152.00	109.20	90.60	80.70	73.60	67.80	62.00
-ST-ZB or ZD		156.00	113.10	93.60	83.30	76.00	69.90	64.10
-ST-CB or CD	4	159.00	116.10	95.80	85.10	77.40	71.30	65.50
-SS2 (Stainless)	4	785.00	612.00	480.00	415.00	385.00	354.00	320.00
-BC (Berylco)	4	1380.00	1070.00	845.00	730.00	675.00	620.00	560.00
4100-215-ST		195.00	160.00	124.00	110.00	100.00	91.00	90.00
-ST-PA		221.00	182.00	141.00	125.00	113.00	104.00	102.00
-ST-ZB or ZD		228.00	187.00	145.00	129.00	117.00	108.00	106.00
-ST-CB or CD	2	233.00	190.00	148.00	131.00	119.00	110.00	108.00
-SS2 (Stainless)	2	1000.00	820.00	630.00	560.00	515.00	465.00	460.00
-BC (Berylco)	2	1780.00	1450.00	1120.00	995.00	915.00	830.00	815.00
4100-275-ST		340.00	275.00	215.00	190.00	175.00	159.00	156.00
-ST-PA		400.00	324.00	254.00	223.00	208.00	190.00	184.00
-ST-ZB or ZD		413.00	334.00	261.00	230.00	215.00	197.00	191.00
-ST-CB or CD	2	424.00	342.00	268.00	236.00	221.00	202.00	196.00
-SS2 (Stainless)	1	2100.00	1700.00	1320.00	1170.00	1080.00	980.00	950.00
-BC (Berylco)	1	3380.00	2750.00	2120.00	1880.00	1730.00	1570.00	1530.00
4100-400-ST		770.00	675.00	540.00	500.00	450.00	440.00	430.00
-ST-PA		876.00	764.00	610.00	565.00	510.00	500.00	490.00
-ST-ZB or ZD		953.00	828.00	662.00	613.00	553.00	543.00	533.00
-ST-CB or CD	1	973.00	842.00	671.00	622.00	563.00	553.00	543.00

*Less than 100 are available in Packets containing the quantity indicated for each size.

Steel (-ST) with -CD finish - 50 thru - 400: \$2.00 per Packet Beryllium Copper (-BC) - 50 thru - 62: \$4.00 per Packet
 Stainless Steel (-SS2) - 50 thru - 275: \$5.00 per Packet - 68 thru - 100: \$6.00 per Packet
 - 106 thru - 275: \$8.00 per Packet

INTERNAL
SERIES
6000



CODE	MATERIAL	CODE	FINISH
ST	Carbon Spring Steel (SAE 1075)	PA	Phosphate Coating
SS2	Stainless Steel (Armco PH 15-7 MO)	ZB	Zinc Plating, Bright
BC	Beryllium Copper (Berylco 25)	ZD	Zinc Plating, Dichromate Dip
		CB	Cadmium Plating, Bright
		CD	Cadmium Plating, Dichromate Dip

STANDARD FINISH: Oil Dip

BULK NET PRICES PER 1000 RINGS

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
6000-31-ST		-	9.50	7.80	6.60	5.90	5.20	4.70
-ST-PA		-	10.20	8.35	7.10	6.30	5.55	5.00
-ST-ZB or ZD		-	10.50	8.60	7.25	6.40	5.65	5.10
-ST-CB or CD	30	-	10.70	8.70	7.35	6.50	5.75	5.20
-SS2 (Stainless)	30	57.00	40.50	32.50	24.40	20.40	17.90	16.30
-BC (Berylco)	30	25.00	18.00	14.50	10.90	9.10	8.00	7.20
6000-37-ST		-	9.70	8.00	6.80	6.00	5.30	4.80
-ST-PA		-	10.40	8.55	7.30	6.40	5.65	5.10
-ST-ZB or ZD		-	10.70	8.80	7.45	6.50	5.75	5.20
-ST-CB or CD	30	-	10.90	8.90	7.55	6.60	5.85	5.30
-SS2 (Stainless)	30	58.00	41.50	33.00	24.50	20.80	18.30	16.60
-BC (Berylco)	30	28.00	21.50	17.20	12.50	10.80	9.50	8.60
6000-43-ST		-	9.90	8.10	6.90	6.10	5.40	4.90
-ST-PA		-	10.60	8.65	7.40	6.50	5.75	5.20
-ST-ZB or ZD		-	10.90	8.90	7.55	6.60	5.85	5.30
-ST-CB or CD	30	-	11.10	9.00	7.65	6.70	5.95	5.40
-SS2 (Stainless)	30	59.00	42.50	34.00	25.50	21.00	18.50	17.00
-BC (Berylco)	30	32.00	24.50	19.50	14.70	12.10	10.70	9.90
6000-50-ST		-	10.50	8.60	7.30	6.50	5.80	5.20
-ST-PA		-	11.20	9.15	7.80	6.90	6.15	5.50
-ST-ZB or ZD		-	11.50	9.40	7.95	7.00	6.25	5.60
-ST-CB or CD	30	-	11.70	9.50	8.05	7.10	6.35	5.70
-SS2 (Stainless)	30	61.00	43.50	35.00	26.00	21.90	19.00	17.50
-BC (Berylco)	30	37.00	29.50	23.50	17.50	14.80	13.00	11.50
6000-56-ST		-	10.60	8.70	7.40	6.60	5.85	5.25
-ST-PA		-	11.30	9.25	7.90	7.00	6.20	5.55
-ST-ZB or ZD		-	11.60	9.50	8.05	7.10	6.30	5.65
-ST-CB or CD	25	-	11.80	9.60	8.15	7.20	6.40	5.75
-SS2 (Stainless)	25	63.00	46.50	37.00	27.90	23.30	20.50	18.50
-BC (Berylco)	25	43.00	31.50	25.50	19.00	15.90	14.00	12.60
6000-62-ST		-	11.00	9.10	7.70	6.90	6.00	5.40
-ST-PA		-	11.70	9.65	8.20	7.30	6.35	5.70
-ST-ZB or ZD		-	12.00	9.90	8.35	7.40	6.45	5.80
-ST-CB or CD	25	-	12.20	10.00	8.45	7.50	6.55	5.90
-SS2 (Stainless)	25	65.00	48.50	38.80	29.00	24.20	21.30	19.40
-BC (Berylco)	25	56.00	39.50	31.60	23.50	19.80	17.40	15.80
6000-75-ST		19.00	13.20	10.90	9.20	8.20	7.20	6.50
-ST-PA		20.60	14.40	11.90	9.95	8.80	7.75	7.00
-ST-ZB or ZD		21.10	14.70	12.10	10.15	8.95	7.85	7.10
-ST-CB or CD	20	21.40	14.90	12.20	10.25	9.05	7.95	7.20
-SS2 (Stainless)	20	86.00	65.50	52.40	39.30	32.50	28.80	26.00
-BC (Berylco)	20	80.00	57.50	46.00	34.50	28.50	25.30	23.00
6000-87-ST		21.00	14.50	12.00	10.00	9.00	8.00	7.20
-ST-PA		22.70	15.70	13.00	10.80	9.60	8.55	7.70
-ST-ZB or ZD		23.20	16.00	13.20	11.00	9.75	8.65	7.80
-ST-CB or CD	15	23.50	16.20	13.30	11.10	9.85	8.75	7.90
-SS2 (Stainless)	15	92.00	71.50	57.00	43.00	35.50	31.50	28.50
-BC (Berylco)	15	100.00	79.00	63.00	47.50	39.50	34.50	31.50

*Less than 100 are available in Packets containing the quantity indicated for each size.

Steel (-ST) with -CD finish: \$2.00 per Packet.

Beryllium Copper (-BC): \$5.00 per Packet.

Stainless Steel (-SS2): \$5.00 per Packet.

BULK NET PRICES PER 1000 RINGS

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
6000-100-ST		22.00	15.00	12.50	10.50	9.50	8.50	7.50
-ST-PA		23.60	16.20	13.50	11.30	10.10	9.05	8.00
-ST-ZB or ZD		24.10	16.50	13.70	11.50	10.30	9.15	8.10
-ST-CB or CD	10	24.40	16.70	13.80	11.60	10.40	9.25	8.20
-SS2 (Stainless)	10	98.00	77.00	61.50	46.00	38.50	34.00	31.00
-BC (Berylco)	10	108.00	89.00	71.00	53.00	44.00	39.00	35.50
6000-125-ST		28.00	20.00	16.50	14.00	12.50	11.00	10.00
-ST-PA		30.00	22.40	18.40	15.50	13.70	12.10	11.00
-ST-ZB or ZD		31.00	22.90	18.80	15.90	14.00	12.30	11.20
-ST-CB or CD	10	31.60	23.30	19.10	16.00	14.20	12.50	11.40
-SS2 (Stainless)	10	140.00	106.00	84.00	63.00	52.50	46.00	42.00
-BC (Berylco)	8	160.00	125.00	99.00	74.50	62.00	55.00	50.00
6000-150-ST		36.00	25.00	21.00	18.00	16.00	14.00	12.50
-ST-PA		39.00	27.40	22.90	19.50	17.20	15.10	13.50
-ST-ZB or ZD		40.00	27.90	23.30	19.90	17.50	15.30	13.70
-ST-CB or CD	8	41.00	28.30	23.60	20.00	17.70	15.50	13.90
-SS2 (Stainless)	8	170.00	127.00	100.00	76.00	63.00	56.00	51.00
-BC (Berylco)	6	230.00	180.00	145.00	109.00	90.00	80.00	73.00

PACKAGED IN QUANTITIES OF 100 PIECES

EXTERNAL
SERIES
6100



CODE	MATERIAL	CODE	FINISH
ST	Carbon Spring Steel (SAE 1075)	PA	Phosphate Coating
SS2	Stainless Steel (Armco PH 15-7 MO)	ZB	Zinc Plating, Bright
BC	Beryllium Copper (Berylco 25)	ZD	Zinc Plating, Dichromate Dip
		CB	Cadmium Plating, Bright
		CD	Cadmium Plating, Dichromate Dip
STANDARD FINISH: Oil Dip			

BULK NET PRICES PER 1000 RINGS

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
6100-9-ST		—	6.60	5.30	4.00	3.30	2.90	2.60
-ST-PA		—	7.30	5.85	4.50	3.70	3.25	2.90
-ST-ZB or ZD		—	7.55	6.10	4.65	3.80	3.35	3.00
-ST-CB or CD	35	—	7.75	6.20	4.75	3.90	3.45	3.10
-SS2 (Stainless)	35	34.00	23.80	19.00	14.30	11.90	10.50	9.50
-BC (Berylco)	35	20.00	14.00	11.20	8.40	7.00	6.20	5.60
6100-12-ST		—	7.00	5.60	4.20	3.50	3.10	2.80
-ST-PA		—	7.70	6.15	4.70	3.90	3.45	3.10
-ST-ZB or ZD		—	7.95	6.40	4.85	4.00	3.55	3.20
-ST-CB or CD	35	—	8.15	6.50	4.95	4.10	3.65	3.30
-SS2 (Stainless)	35	35.00	24.30	19.40	14.60	12.10	10.70	9.70
-BC (Berylco)	35	22.00	16.00	12.80	9.60	8.00	7.10	6.40
6100-15-ST		—	7.20	5.80	4.30	3.60	3.20	2.90
-ST-PA		—	7.90	6.35	4.80	4.00	3.55	3.20
-ST-ZB or ZD		—	8.15	6.60	4.95	4.10	3.65	3.30
-ST-CB or CD	35	—	8.35	6.70	5.05	4.20	3.75	3.40
-SS2 (Stainless)	35	36.00	24.50	19.60	14.70	12.30	10.80	9.80
-BC (Berylco)	35	23.00	16.50	13.20	9.90	8.30	7.30	6.60
6100-18-ST		—	7.40	5.90	4.40	3.70	3.25	2.95
-ST-PA		—	8.10	6.45	4.90	4.10	3.60	3.25
-ST-ZB or ZD		—	8.35	6.70	5.05	4.20	3.70	3.35
-ST-CB or CD	35	—	8.55	6.80	5.15	4.30	3.80	3.45
-SS2 (Stainless)	35	37.00	25.00	20.00	15.00	12.50	11.00	10.00
-BC (Berylco)	35	26.00	19.80	15.80	11.90	9.90	8.70	7.90
6100-21-ST		—	7.60	6.10	4.60	3.80	3.30	3.00
-ST-PA		—	8.30	6.65	5.10	4.20	3.65	3.30
-ST-ZB or ZD		—	8.55	6.90	5.25	4.30	3.75	3.40
-ST-CB or CD	35	—	8.75	7.00	5.35	4.40	3.85	3.50
-SS2 (Stainless)	35	38.00	25.80	20.60	15.50	12.90	11.30	10.30
-BC (Berylco)	35	27.00	20.90	16.50	12.50	10.40	9.20	8.30
6100-24-ST		—	8.40	6.70	5.00	4.20	3.70	3.30
-ST-PA		—	9.10	7.25	5.50	4.60	4.05	3.60
-ST-ZB or ZD		—	9.35	7.50	5.65	4.70	4.15	3.70
-ST-CB or CD	35	—	9.55	7.60	5.75	4.80	4.25	3.80
-SS2 (Stainless)	35	44.00	31.50	25.50	19.20	16.00	14.00	12.70
-BC (Berylco)	31	34.00	25.70	20.60	15.70	13.20	11.60	10.50
6100-25-ST		—	7.70	6.20	4.60	3.90	3.40	3.10
-ST-PA		—	8.40	6.75	5.10	4.30	3.75	3.40
-ST-ZB or ZD		—	8.65	7.00	5.25	4.40	3.85	3.50
-ST-CB or CD	35	—	8.85	7.10	5.35	4.50	3.95	3.60
-SS2 (Stainless)	35	41.00	29.50	23.60	17.70	14.80	13.00	11.80
-BC (Berylco)	35	32.00	24.50	19.50	14.70	12.30	10.80	9.80
6100-31-ST		—	9.00	7.20	5.40	4.50	4.00	3.60
-ST-PA		—	9.70	7.75	5.90	4.90	4.35	3.90
-ST-ZB or ZD		—	9.95	8.00	6.05	5.00	4.45	4.00
-ST-CB or CD	30	—	10.15	8.10	6.15	5.10	4.55	4.10
-SS2 (Stainless)	30	47.00	35.70	28.50	21.50	17.90	15.70	14.30
-BC (Berylco)	30	42.00	30.00	24.00	18.00	15.00	13.00	12.00

*Less than 100 are available in Packets containing the quantity indicated for each size.

Steel (-ST) with -CD finish: \$2.00 per Packet. Beryllium Copper (-BC): \$5.00 per Packet.

Stainless Steel (-SS2): \$5.00 per Packet.

BULK NET PRICES PER 1000 RINGS

IRR Ring No.	*Min. Quan.	100 -400	500 -900	1,000 -4,900	5,000 -9,900	10,000 -24,500	25,000 -49,500	50,000 & Over
6100-37-ST		-	9.40	7.50	5.60	4.70	4.10	3.70
-ST-PA		-	10.10	8.05	6.10	5.10	4.45	4.00
-ST-ZB or ZD		-	10.40	8.30	6.25	5.20	4.55	4.10
-ST-CB or CD	30	-	10.60	8.40	6.35	5.30	4.65	4.20
-SS2 (Stainless)	30	56.00	41.50	33.40	25.00	20.80	18.40	16.50
-BC (Berylco)	30	50.00	36.00	28.50	21.50	18.00	15.90	14.40
6100-43-ST		-	11.90	9.50	7.10	5.90	5.20	4.70
-ST-PA		-	13.10	10.50	7.85	6.50	5.75	5.20
-ST-ZB or ZD		-	13.40	10.70	8.05	6.65	5.85	5.30
-ST-CB or CD	30	-	13.60	10.80	8.15	6.75	5.95	5.40
-SS2 (Stainless)	30	77.00	56.50	45.40	34.00	28.40	25.00	22.50
-BC (Berylco)	30	72.00	50.00	40.00	30.00	25.00	22.00	20.00
6100-50-ST		20.00	13.80	11.00	8.20	6.90	6.00	5.50
-ST-PA		21.70	15.00	12.00	8.95	7.50	6.55	6.00
-ST-ZB or ZD		22.10	15.30	12.20	9.15	7.65	6.65	6.10
-ST-CB or CD	30	22.40	15.50	12.30	9.25	7.75	6.75	6.20
-SS2 (Stainless)	30	82.00	61.00	48.70	36.50	30.50	26.50	24.00
-BC (Berylco)	30	87.00	65.50	52.00	39.00	32.50	29.00	26.00
6100-56-ST		28.00	19.80	15.80	11.90	9.90	8.70	7.90
-ST-PA		29.70	21.00	16.80	12.70	10.50	9.25	8.40
-ST-ZB or ZD		30.30	21.30	17.00	12.90	10.70	9.35	8.50
-ST-CB or CD	25	30.60	21.50	17.10	13.00	10.80	9.45	8.60
-SS2 (Stainless)	25	87.00	63.00	50.50	38.00	31.50	27.50	25.00
-BC (Berylco)	25	96.00	74.50	59.50	44.50	37.00	32.50	29.50
6100-62-ST		30.00	21.00	17.00	12.50	10.50	9.30	8.50
-ST-PA		31.70	22.20	18.00	13.30	11.10	9.85	9.00
-ST-ZB or ZD		32.30	22.50	18.20	13.50	11.30	9.95	9.10
-ST-CB or CD	25	32.60	22.70	18.30	13.60	11.40	10.05	9.20
-SS2 (Stainless)	25	98.00	66.50	53.50	40.00	33.40	29.40	26.50
-BC (Berylco)	23	110.00	84.00	67.00	50.00	42.00	37.00	33.50
6100-75-ST		38.00	26.50	21.00	15.50	13.00	11.50	10.50
-ST-PA		39.70	27.70	22.00	16.30	13.60	12.10	11.00
-ST-ZB or ZD		40.30	28.00	22.20	16.50	13.80	12.20	11.10
-ST-CB or CD	20	40.60	28.20	22.30	16.60	13.90	12.30	11.20
-SS2 (Stainless)	20	106.00	81.50	62.00	48.50	40.50	35.50	32.50
-BC (Berylco)	18	125.00	106.00	84.50	63.50	53.00	46.50	42.00
6100-87-ST		43.00	30.00	24.00	18.00	15.00	13.00	12.00
-ST-PA		44.80	31.20	25.00	18.80	15.60	13.60	12.50
-ST-ZB or ZD		45.40	31.50	25.20	19.00	15.80	13.70	12.60
-ST-CB or CD	15	45.80	31.70	25.30	19.10	15.90	13.80	12.70
-SS2 (Stainless)	15	125.00	91.00	73.00	54.50	45.50	40.00	36.50
-BC (Berylco)	13	155.00	131.00	105.00	78.00	65.00	57.00	52.00
6100-100-ST		48.00	33.00	26.00	19.50	16.50	14.50	13.00
-ST-PA		49.80	34.20	27.00	20.30	17.10	15.10	13.50
-ST-ZB or ZD		50.40	34.50	27.20	20.50	17.30	15.20	13.60
-ST-CB or CD	10	50.80	34.70	27.30	20.60	17.40	15.30	13.70
-SS2 (Stainless)	10	160.00	130.00	78.00	58.50	48.50	43.00	39.00
-BC (Berylco)	8	180.00	150.00	120.00	89.00	74.50	65.50	59.50

*Less than 100 are available in Packets containing the quantity indicated for each size.

Steel (-ST) with -CD finish: \$2.00 per Packet.

Beryllium Copper (-BC): \$5.00 per Packet.

Stainless Steel (-SS2): \$5.00 per Packet.

INDUSTRIAL RETAINING RING

STACKING CHARGES

SERIES 1000



RING SIZE		500	1,000 -4,500	5,000 -9,500	10,000 -24,500	25,000 -49,500	50,000 -99,500
-X6 through -X31		.80	.60	.55	.50	.45	.45
-37 through -X43		1.00	.70	.60	.55	.50	.50
-50 through -62		1.20	.80	.70	.65	.60	.60
-X74 through -75		1.50	.95	.85	.80	.75	.75
-87 through -X100		2.10	1.30	1.20	1.10	1.00	1.00

SERIES 2000



RING SIZE		500	1,000 -4,500	5,000 -9,500	10,000 -24,500	25,000 -49,500	50,000 -99,500
-12 through -43		.80	.60	.55	.50	.45	.45
-50 through -62		1.20	.80	.70	.65	.60	.60
-68 through -81		1.50	.95	.85	.80	.75	.75
-87 through -100		1.70	1.00	.95	.90	.85	.85

SERIES 3000



RING SIZE	250	500 -750	1,000 -4,750	5,000 -9,750	10,000 -24,750	25,000 -49,750	50,000 -99,750
-X37 through -X45	2.00	1.50	1.00	.90	.80	.70	.70
-X50 through -X75	2.40	1.80	1.20	1.00	.90	.80	.80
-X77 through -X102	3.20	2.40	1.60	1.40	1.30	1.20	1.10
-X106 through -X118	3.80	2.75	1.90	1.70	1.60	1.50	1.40
-X125 through -X137	4.40	3.30	2.20	2.00	1.90	1.80	1.70
-X143 through -X150	5.20	3.80	2.50	2.30	2.20	2.10	2.00
-X156 through -X175	6.00	4.30	2.80	2.60	2.50	2.40	2.30
-X181 through -X200	6.80	4.80	3.10	2.90	2.80	2.70	2.60

SERIES 3100



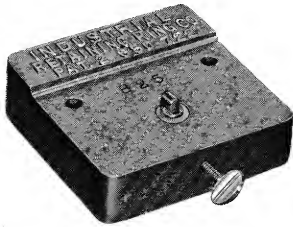
RING SIZE	250	500 -750	1,000 -4,750	5,000 -9,750	10,000 -24,750	25,000 -49,750	50,000 -99,750
-25 through -46	2.00	1.80	1.50	1.40	1.20	1.10	1.00
-50 through -67	2.40	2.00	1.60	1.50	1.30	1.20	1.10
-68 through -102	3.20	2.40	1.80	1.60	1.40	1.30	1.20
-106 through -118	4.00	3.00	2.10	1.80	1.60	1.50	1.40
-125 through -137	5.00	3.50	2.40	2.10	1.90	1.80	1.70

SERIES 4100



Charges listed are per 1,000 rings and are in addition to basic ring prices.

DISPENSER BASE PRICE LIST



BASE

BASE NUMBERS			UNIT PRICE
SERIES 1000	SERIES 2000	SERIES 1200	
B-X6			4.50
B-6			4.50
B-9		B3-9	4.50
B-X9			4.50
B-X11			4.50
B-12	B2-12	B3-12	4.50
B-X14			4.50
B-14			4.50
B-A14			4.50
B-15	B2-15	B3-15	4.50
B-X17			4.50
B-18	B2-18	B3-18	4.50
B-X18			4.50
B-X21	B2-21	B3-21	5.00
	B2-23		5.00
B-25	B2-25	B3-25	5.00
	B2-28		5.00
B-X31	B2-31	B3-31	5.00
B-37	B2-37	B3-37	5.00
	B2-40		5.00
B-43	B2-43	B3-43	5.00
B-X43			5.00
B-50	B2-50		5.50
	B2-56	B3-56	5.50
B-62	B2-62		5.50
	B2-68		6.00
B-X74			6.00
B-75	B2-75		6.00
	B2-81		6.00
B-87	B2-87		6.00
	B2-93		7.00
B-X98			7.00
B-X100	B2-100		7.00

APPLICATION TOOL PRICE LIST



TOOL

APPLICATION TOOLS			UNIT PRICE
SERIES 1000	SERIES 2000	SERIES 1200	
T-X6			2.50
T-6			2.50
T-9		T3-9	2.50
T-X9			2.50
T-X11			2.50
T-12	T2-12	T3-12	2.50
T-X14			2.50
T-A14			2.50
T-14			2.50
T-15	T2-15	T3-15	2.50
T-X17			2.50
T-18	T2-18	T3-18	2.50
T-X18			2.50
T-X21	T2-21	T3-21	2.65
	T2-23		2.65
T-25	T2-25	T3-25	2.65
	T2-28		2.65
T-X31	T2-31	T3-31	2.65
T-37	T2-37	T3-37	2.65
	T2-40		2.65
T-43	T2-43	T3-43	2.65
T-X43			2.65
T-50	T2-50		3.00
	T2-56	T3-56	3.00
T-62	T2-62		3.00
	T2-68		4.50
T-X74			4.50
T-75	T2-75		4.50
	T2-81		4.50
T-87	T2-87		4.50
	T2-93		6.00
T-X98			6.00
T-X100	T2-100		6.00

PLIER PRICE LIST



PLIER

QUANTITY DISCOUNTS*

10-24	10%
25-99	15%
100 & over	20%

*Applicable to quantities of each type and size ordered for shipment at one time to one destination.

INDUSTRIAL PLIERS with ADJUSTABLE STOP and SPRING

PLIER NUMBERS	UNIT PRICE		
	STANDARD (Straight Tips)	ANGLE TIPS	
		45°	90°
P-99, P-101, P-102	\$3.05	\$3.50	\$3.75
P-103, P-104	3.50	4.00	4.25
P-105, P-106	4.60	5.10	5.35

INDUSTRIAL ECONOMY PLIERS

PLIER NUMBERS	UNIT PRICE		
	STANDARD (Straight Tips)	ANGLE TIPS	
		45°	90°
P-099, P-111, P-112	\$2.35	\$2.75	\$3.05
P-113, P-114	2.70	3.10	3.35
P-115, P-116	3.55	4.00	4.25

NEW RETAINING RING KITS

EACH KIT CONTAINS...

- 310 RINGS
 - 15 MOST POPULAR SIZES
 - HANDY INSTALLATION PLIER
- MEETS MILITARY AND INDUSTRIAL STANDARDS



Each ring size individually packaged, in a clear top plastic box, marked for easy identification.

 KIT NO. 30 INTERNAL FOR HOUSINGS 1/4" - 1 1/8" CONFORMS TO MS16625 \$12.50 ea.			 KIT NO. 31 EXTERNAL FOR SHAFTS 1/8" - 1 1/8" CONFORMS TO MS16624 \$12.50 ea.		
RING NO.	HOUSING DIA.	NO. PCS.	RING NO.	SHAFT DIA.	NO. PCS.
3000-X25-ST-CD	1/4	30	3100-12-BC-CD	1/8	30
3000-X31-ST-CD	5/16	30	3100-18-BC-CD	3/16	30
3000-X37-ST-CD	3/8	30	3100-25-ST-CD	1/4	30
3000-X43-ST-CD	7/16	30	3100-31-ST-CD	5/16	30
3000-X50-ST-CD	1/2	30	3100-37-ST-CD	3/8	30
3000-X56-ST-CD	9/16	24	3100-43-ST-CD	7/16	30
3000-X62-ST-CD	5/8	24	3100-50-ST-CD	1/2	28
3000-X68-ST-CD	11/16	20	3100-56-ST-CD	9/16	16
3000-X75-ST-CD	3/4	20	3100-62-ST-CD	5/8	14
3000-X81-ST-CD	13/16	12	3100-68-ST-CD	11/16	12
3000-X87-ST-CD	7/8	12	3100-75-ST-CD	3/4	12
3000-X93-ST-CD	15/16	12	3100-81-ST-CD	13/16	12
3000-X100-ST-CD	1	12	3100-87-ST-CD	7/8	12
3000-X106-ST-CD	1-1/16	12	3100-100-ST-CD	1	12
3000-X112-ST-CD	1-1/8	12	3100-112-ST-CD	1-1/8	12
P-111 PLIER		1	P-112 PLIER		1

Individual reorder packets are furnished in heavy kraft envelopes only.

IMPORTANT: When ordering individual sizes, specify complete ring number. For additional sizes and types not in Kits No. 30 & 31, refer to Catalog 61 Rev. 2. All rings for packets are Cadmium plated with a dichromate dip. Quantities in packet will vary according to ring size. Price \$2.00 for each packet.

INDUSTRIAL RETAINING RING COMPANY

57 Cordier Street, Irvington, New Jersey 07111